

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

RESERVE

aS21

.R44A7

U.S.D.A.







as21
R44A7
c3

File Copy

ARS-24

Log: 07/08/85-005
Rec #5007



United States
Department of
Agriculture

Agricultural
Research
Service

ARS-24

June 1985

Plant Responses to Salinity

A Supplement to an Indexed Bibliography

1985
JUN 15 1985
LIBRARY



United States
Department of
Agriculture

**Agricultural
Research
Service**

ARS-24

June 1985

Plant Responses to Salinity

A Supplement to an Indexed Bibliography

By

L. E. Francois and E. V. Maas, Editors

Bill Alves, Computer Services

and

Sondra Luther and Lou Harter, Technical Staff

U.S. Salinity Laboratory

Agricultural Research Service

4500 Glenwood Drive

Riverside, CA 92501

ABSTRACT - PLANT RESPONSE TO SALINITY: A SUPPLEMENT
TO AN INDEXED BIBLIOGRAPHY

Francois, L. E., and E. V. Maas, editors. 1985. Plant Responses to Salinity: A supplement to an Indexed Bibliography. U.S. Department of Agriculture, Agricultural Research Service, ARS-24, 174 pp.

This supplement to a computer-based bibliography on salt and boron effects on whole plants contains 1,001 literature citations (ARM-W-6, issued October 1978); the complete bibliography now contains 3,358 citations covering the period from 1900 to 1984. Keywords for each citation cover plants studied, experimental materials and methods used, treatments and variables evaluated, and results and data obtained. Computer-generated indexes allow rapid identification of desired entries by plant name or subject.

PREFACE

This computer-based bibliography was first published in 1978 to provide ready access to literature citations on plant responses to salinity and boron from 1900 to 1977 (ARM-W-6, issued October 1978). Since then, 1,001 additional citations have been added to the bibliography. These citations, which cover the period from 1977 to 1984, as well as some citations missed prior to 1977 are included in this supplement. Like the original bibliography, it lists publications dealing primarily with whole plants. Physiological and biochemical studies of salt effects on plant tissues and constituents were omitted.

All publications were reviewed for specific information on the plants studied, experimental materials and methods used, treatments and variables evaluated, and the results and data obtained. This information is included in the bibliography in the form of keywords. A computer-generated index allows rapid identification of the desired entries by plant names or by subject.

The bibliography was compiled on FAMULUS, a computer-readable literature retrieval system developed by Dr. Hilary Burton (USDA Forest Service Research Note PSW-193, 1969). Corrections and additions to this data base are being made continuously. We respectfully request that users bring any errors and omissions to our attention. It is our intention to keep this bibliography current and accurate through periodic revisions. To facilitate this task, we solicit reprints of any new papers published on this subject. Our address is U.S. Salinity Laboratory, USDA-ARS, 4500 Glenwood Drive, Riverside, Calif. 92501.

CONTENTS

Instructions for use.....	iii
Availability of cited references.....	v
Salt tolerance bibliography.....	1
Indexes:	

Common plant names, green divider

Botanical plant names, blue divider

Terms describing treatments, yellow divider

Terms describing results, red divider

* * * * *

Copies of this publication are available from the
National Technical Information Service (NTIS), 5285
Port Royal Road, Springfield, VA 22161.

ARS has no additional copies for free distribution.

INSTRUCTIONS FOR USE

Bibliographic Format

The citations are listed alphabetically by author and appear in the following order: Citation number; authors; title; language of article (other than English); journal name, volume, page numbers, and year; common plant names; botanical names; and keywords that describe methods, treatments, and results. The keyword categories are separated by double spaces.

Language Abbreviations

The following abbreviations are used to indicate the language of papers not published in English. Where English summaries were included, they are indicated by the abbreviation, ENG SUM.

AFR	Afrikaans	ITA	Italian
ARA	Arabic	JAP	Japanese
ARM	Armenian	KOR	Korean
CHI	Chinese	NOR	Norwegian
CZE	Czech	POL	Polish
DAN	Danish	POR	Portuguese
DUT	Dutch	RUM	Rumanian
FIN	Finnish	RUS	Russian
FRE	French	SPA	Spanish
GER	German	TUR	Turkish
HEB	Hebrew	UKR	Ukrainian
HUN	Hungarian		

Botanical Details

Many plant species have several common names and others none at all. For this reason and because some names are used differently in different regions, we recommend the use of botanical names whenever possible. Nevertheless, common names are included for convenience. Lesser known names used in many foreign publications were changed to popular names known to us. Hortus Third (MacMillian Publishing Co., New York, 1976) was used as the authority where possible. Other reference sources used included:

Bailey, L. H. 1949. Manual of Cultivated Plant MacMillian Co., New York.

Munz, P. A. and Keck, D. D. 1965. A California Flora. University of California Press, Berkeley Calif.

Robbins, W. W., Bellue, M. K. and Ball, W. S. 1970. Weeds of California. Documents and Publications, Sacramento, Calif.

Willis, J. C. 1973. A Dictionary of the Flowering Plants and Ferns. Ed. 8. Cambridge University Press.

Compound names are listed with the primary name first followed by appropriate modifiers, for example, clover, white New Zealand. Botanical names are

grouped by families and include family, genus, species, and occasionally variety, for example, Gramineae: *Zea mays*, *Hordeum vulgare*; Chenopodiaceae: *Beta vulgaris*; Cruciferae: *Brassica oleracea* var. *capitata*.

Indexes

Four indexes are provided to locate specific citations of interest. They provide alphabetical listings of common plant names, botanical plant names, terms describing treatments, and terms describing results.

Generally, each plant species is listed under one common name. Referrals are provided for a number of synonymous names. Hyphenated names appear alphabetically after the complete listing of nonhyphenated names. Some general terms (for example, cactus and thorns) appear because species were not identified; however, these terms are not all inclusive. Botanical names are listed by genus, species (unless unknown), and, in some cases, variety.

Both the treatment and result indexes include all the terms mentioned in those respective categories. Treatment salts are not identified as such but are listed as the constituent ions. Users are advised to refer to synonymous and related terms to locate all citations relevant to a particular subject.

AVAILABILITY OF CITED REFERENCES

Books

The National Agricultural Library (NAL) lends books, other than rare books, or those on reserve, or in the reference collection, to U.S. Department of Agriculture employees. Non-USDA individuals should arrange interlibrary loans through their local public, university, or special library.

1. Form: The American Library Association's (ALA) Interlibrary Loan Request form is preferred. Citations should be as complete as possible and the source of reference should be provided if known. Please use one form for each item requested. Teletypewriter requests are accepted. NAL's number is 710-828-0506.
2. Loan Period and Renewals: Material is loaned for 30 days from the date it is charged at NAL.
3. Delivery and Returns: All loans will be sent first class and should be returned in the same manner. The borrowing library is responsible from the moment of dispatch for any loss or damage incurred.

Periodicals

Periodicals and other noncirculating materials are not available for loan but may be used in NAL or in its designated reading rooms in the Washington, D.C., area.

Photocopy of Journal Articles

Photocopy of journal articles will be sent in lieu of loan to USDA employees, 1890 land-grant institutes, and libraries with which NAL has a reciprocal arrangement. USDA EMPLOYEES SHOULD SUBMIT REQUESTS ON FORM AD-245. These forms are available from their procurement office. Requestors not in one of these categories may purchase reproductions of journal articles, technical papers, reports, etc., in the NAL collection as outlined below:

1. Form: Please use USDA Request for Photocopying forms (LF-607). These forms are available from NAL upon request. Use one for each citation. Requests should be as complete as possible with minimum abbreviations. The source of the citation should be given. If the citation is from an NAL database (CAIN/AGRICOLA, Bibliography of Agriculture, or the NAL catalog) and the call number is given, that call number should be listed in the proper block on the request form. Indicate whether xerographic copy or microfilm is desired and sign each order form. If an alternate form is used, please send in triplicate.

2. Rates are: (Subject to increase)

Electrostatic copy, microfilm, and microfiche--
\$5.00 for the first 10 pages or fraction copied
for a single article or publication.
\$3.00 for each additional 10 pages or fraction.
Duplication of NAL-owned microfilm--\$10.00 per
reel.
Duplication of NAL-owned microfiche--\$5.00 for
the first fiche and \$0.50 for each additional
fiche.

3. Billing: Fees include postage and handling and
are subject to change. Invoices are issued
quarterly by the National Technical Information
Service (NTIS), 5285 Port Royal Road, Springfield,
VA 22161. Requesters are encouraged to establish
deposit accounts with NTIS. DO NOT SEND PAYMENT.

4. Restrictions: Reproduction will be made only from
material in the NAL collection. Monographs will
not be copied in their entirety (see Interlibrary
Loan Service above). Special arrangements must be
made for microfilm of entire issues or long runs
of a journal title.

Requests for the services described above should be
sent to:

U.S. Department of Agriculture
National Agricultural Library
Lending Branch
Beltsville, MD 20705

Questions concerning these services should be directed
to the attention of the Head, Lending Branch.

SALT TOLERANCE BIBLIOGRAPHY

1. ABD EL-MALIK, S. H.; SOLIMAN, M. F.; BAKHATI, H. K.; MITKEES, A. I.; ISKANDER, A. Z.; MICHAIL, N. H. EFFECT OF SOWING DEPTH, TIME OF IRRIGATION, AND CALCIUM CARBONATE PERCENTAGE ON THE VEGETATIVE GROWTH OF CORN IN CALCAREOUS SOIL. AGRIC. RES. REV. 51: 9-15. 1973. CORN GRAMINEAE: ZEA MAYS POT, SOIL CALCIUM, CARBONATE VEGETATIVE GROWTH
2. ABDEL SALAM, M. A.; EL KADI, M. A. PLANT GROWTH AND MINERAL CONTENT OF BARLEY AS RELATED TO IRRIGATION WITH BICARBONATE WATERS. PLANT SOIL 23: 377-384. 1965. BARLEY GRAMINEAE: HORDEUM VULGARE SAND, LYSIMETER CALCIUM, CHLORIDE, MAGNESIUM, SODIUM, NITRATE, BICARBONATE SHOOT GROWTH, ROOT GROWTH, GRAIN YIELD, MINERAL COMPOSITION
3. ABDEL-MESSIH, M. N.; ROKBA, A. M.; EL-SHOUBAGY, M. A.; EL-NOKRASHY, M. A. EFFECT OF DIFFERENT SALINITY LEVELS ON LEAF MINERAL COMPOSITION OF SOME CITRUS STOCK SEEDLINGS. EGYPT. J. HORTIC. 6: 81-89. 1979. ORANGE, SOUR; MANDARIN, CLEOPATRA; LEMON, ROUGH; ORANGE, POORMAN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS LIMON CALCIUM, SODIUM, CHLORIDE MINERAL COMPOSITION
4. ABDUL SAMAD, A.; SHANMUGASUNDARAM, A.; RAJAGOPALAN, K. BREEDING OF RICE VARIETIES FOR SALINE AND ALKALINE AREAS IN MADRAS STATE. RICE NEWS TELLER 8:10-12. 1960. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL, LYSIMETER, GREENHOUSE VARIETY GRAIN YIELD, HYBRIDS, INHERITANCE
5. ABDUL-WAHAB, A. S.; AL-JUBOORY, B. A. DEVELOPMENT OF TOLERANCE BY COTTON PLANT TO GRADUAL INCREASE IN SODIUM CHLORIDE CONCENTRATION IN THE SOIL. BULL. COLL. SCI. UNIV. BAGHDAD 16: 217-224. 1975. COTTON MALVACEAE: GOSSYPIUM POT, SOIL SODIUM, CHLORIDE FLOWERING, VEGETATIVE GROWTH
6. ABDULLAH, Z.; AHMAD, R.; AHMED, J. SALINITY INDUCED CHANGES IN THE REPRODUCTIVE PHYSIOLOGY OF WHEAT PLANTS. PLANT CELL PHYSIOL. 19: 99-106. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CHLORIDE, BICARBONATE, CALCIUM, MAGNESIUM, SULFATE SEED YIELD, POLLEN VIABILITY, SEED WEIGHT, MINERAL COMPOSITION, STARCH SYNTHETASE
7. ABDULRAHMAN, F. S.; WILLIAMS, G. J. TEMPERATURE AND SALINITY REGULATION OF GROWTH AND GAS EXCHANGE OF SALICORNIA - FRUTICOSA(L.) L. OECOLOGIA 48: 346-352. 1981. CHENOPODIACEAE: SALICORNIA FRUTICOSA POT, GROWTH CHAMBER, WATER CULTURE TEMPERATURE, SODIUM, CHLORIDE VEGETATIVE GROWTH, RESPIRATION, PHOTOSYNTHESIS, TRANSPIRATION, WATER USE, STOMATAL RESISTANCE, MESOPHYLL RESISTANCE, OSMOTIC PRESSURE
8. ABROL, I. P.; BHUMBLA, D. R. CROP RESPONSES TO DIFFERENTIAL GYPSUM APPLICATIONS IN A HIGHLY SODIC SOIL AND THE TOLERANCE OF SEVERAL CROPS TO EXCHANGEABLE SODIUM UNDER FIELD CONDITIONS. SOIL SCI. 127: 79-85. 1979. RICE; WHEAT; PEA, CHICK; DHAINCHA; GRAM, BLACK; LENTIL; MILLET, PEARL GRAMINEAE: ORYZA SATIVA, TRITICUM AESTIVUM, PENNISETUM AMERICANUM; LEGUMINOSAE: CICER ARIETINUM, SESBANIA ACULEATA, VIGNA MUNGO, LENS CULINARIS FIELD, SOIL GYPSUM, SODIC SOIL, CALCIUM, SULFATE YIELD, EXCHANGEABLE SODIUM PERCENTAGE
9. ACHARYA, C. L.; SANDHU, S. S.; ABROL, I. P. EFFECT OF EXCHANGEABLE SODIUM ON THE RATE AND PATTERN OF WATER UPTAKE BY RAYA (BRASSICA JUNCEA L.) IN THE FIELD. AGRON. J. 71: 936-941. 1979. MUSTARD CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT GYPSUM, CALCIUM, SULFATE, SODIUM, SODIC SOIL ROOT WATER EXTRACTION
10. ADAMS, J. A.; BINGHAM, F. T.; KAUFMANN, M. R.; HOFFMAN, G. J.; YERMANOS, D. M. RESPONSES OF STOMATA AND WATER, OSMOTIC AND TURGOR POTENTIALS OF JOJOBA TO WATER AND SALT STRESS. AGRON. J. 70: 381-387. 1978. JOJOBA BUXACEAE: SIMMONDSIA CALIFORNICA GREENHOUSE, SAND, POT SODIUM, CHLORIDE, CALCIUM LEAF WATER CONTENT, OSMOTIC POTENTIAL,

TRANSPIRATION

11. ADUAYI, E. A. ROLE OF BORON ON GROWTH, COMPONENTS AND ELEMENTAL COMPOSITION OF 'IFE-PLUM' TOMATO. COMMUN. SOIL SCI. PLANT ANAL. 9:1-11. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, SOIL BORON BORON TOXICITY, VISUAL SYMPTOMS, MINERAL COMPOSITION
12. ADUAYI, E. A.; ADEGBITE, A. K. RESPONSE OF OKRA PLANTS TO ROOT AND FOLIAR APPLIED BORON. SOIL SCI. PLANT ANAL. 10: 911-925. 1979. OKRA MALVACEAE: HIBISCUS ESCULENTUS WATER CULTURE BORON, FOLIAR SPRAY VEGETATIVE GROWTH, CHLOROPHYLL, CAROTENE, MINERAL COMPOSITION
13. AFZAL, M.; RASHID, M. GERMINATION OF SEEDS OF WHEAT VARIETIES IN SALINIZED SOILS. WEST PAK. J. AGRIC. RES. 6:1-5. 1968. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES, POT, SOIL SODIUM, CHLORIDE GERMINATION
14. AGARWAL, R. R.; YADAV, J. S. P.; GUPTA, R. N. PLANT GROWTH ON SALINE AND ALKALI SOILS. IN: SALINE AND ALKALI SOILS OF INDIA, ICAR, CHAP. 9: 203-222. 1979.
15. AGARWALA, S. C.; MEHROTRA, N. K. GROWTH AND METABOLISM OF RICE PLANTS SUBJECTED TO HIGH ALKALINITY (SAR) IN IRRIGATION WATERS AND SOIL CALCAREOUSNESS. INDIAN J. PLANT PHYSIOL. 21:59-65. 1978. RICE GRAMINEAE: ORYZA SATIVA SOIL, POT SODIUM, BICARBONATE, CALCIUM, CHLORIDE, MAGNESIUM, SULFATE STRAW YIELD, CATALASE, PEROXIDASE, CHLOROPHYLL, GRAIN YIELD, GROWTH RATE
16. AGARWALA, S. C.; MEHROTRA, N. K. SALT TOLERANCE OF SOME SUGARBEET VARIETIES DURING EARLY STAGES OF GROWTH. INDIAN J. PLANT PHYSIOL. 22: 167-172. 1979. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS POT, SOIL SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE, VARIETY GERMINATION, VEGETATIVE GROWTH, GROWTH RATE
17. AGARWALA, S. C.; MEHROTRA, N. K. TOLERANCE OF MAIZE VARIETIES TO HIGH S.A.R. IN IRRIGATION WATERS. INDIAN J. AGRON. 24: 92-94. 1979. CORN GRAMINEAE: ZEA MAYS POT, SOIL VARIETY, SODIUM ADSORPTION RATIO VEGETATIVE GROWTH
18. AHLUWALIA, A.; SRIVASTAVA, A. K. ECOPHYSIOLOGICAL MEASURE TO INDUCE HARDINESS AGAINST SALT-MOISTURE-TEMPERATURE STRESS IN VIGNA RADIATA DURING GERMINATION. INDIAN J. ECOL. 4: 157-166. 1978. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES SEED PRETREATMENT, CYCOCEL, CALCIUM, CHLORIDE, GIBBERELIC ACID, MANNITOL, SODIUM GERMINATION
19. AHMAD, I.; LARHER, F.; STEWART, G. R. SORBITOL, A COMPATIBLE OSMOTIC SOLUTE IN PLANTAGO MARITIMA. NEW PHYTOLOGIST. 82: 671-678. 1979. PLANTAGINACEAE: PLANTAGO MARITIMA WATER CULTURE, AERATION SODIUM, CHLORIDE, SORBITOL MINERAL COMPOSITION
20. AHMAD, I.; NAWAZ, R.; NIAZI, K. INTERACTION OF SOIL SALINITY AND AERATION ON THE PERFORMANCE OF JANTER (SESBANIA AEGYPTICA) AND GUARA (CYAMOPSIS PSORALIOIDES) AS GREEN MANURING CROPS. PAK. J. SCI. 29: 40-42. 1977. GUAR LEGUMINOSAE: SESBANIA AEGYPTICA, CYAMOPSIS PSORALIOIDES POT, SCREENHOUSE, SOIL SODIUM, CALCIUM, CHLORIDE, SOIL TYPE, AERATION VEGETATIVE GROWTH, NITROGEN CONTENT

21. AHMAD, I.; WAINWRIGHT, S. J. ECOTYPE DIFFERENCES IN LEAF SURFACE PROPERTIES OF AGROSTIS STOLONIFERA FROM SALT MARSH, SPRAY ZONE AND INLAND HABITATS. NEW PHYTOL. 76: 361-366. 1976. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA POT, GREENHOUSE SODIUM, CHLORIDE, SALT SPRAY GENETIC ADAPTATION
22. AHMAD, I.; WAINWRIGHT, S. J. TOLERANCE OF SALT, PARTIAL ANAEROBIOSIS AND OSMOTIC STRESS IN AGROSTIS STOLONIFERA NEW PHYTOL. 79:605-612. 1977. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL ROOT GROWTH, OSMOTIC PRESSURE
23. AHMAD, I.; WAINWRIGHT, S. J.; STEWART, G. R. THE SOLUTE AND WATER RELATIONS OF AGROSTIS STOLONIFERA ECOTYPES DIFFERING IN THEIR SALT TOLERANCE. NEW PHYTOL. 87: 615-629. 1981. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, OSMOTIC PRESSURE
24. AHMAD, I.; WYN JONES, R. G. GLYCINEBETAIN, PROLINE AND INORGANIC ION LEVELS IN BARLEY SEEDLINGS FOLLOWING TRANSIENT STRESS. PLANT SCI. LETT. 15: 231-237. 1979. BARLEY GRAMINEAE: HORDEUM VULGARE VERMICULITE, POTS AERATION, SODIUM, CHLORIDE VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, OSMOTIC PRESSURE
25. AHMAD, R.; ABDULLAH, Z. BIOMASS PRODUCTION OF FOOD AND FIBER CROPS USING HIGHLY SALINE WATER UNDER DESERT CONDITIONS. IN: BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 149-163. 1982. BEET; COTTON CHENOPODIACEAE: BETA VULGARIS; MALVACEAE: GOSSYPIUM HIRSUTUM POT, SAND SEA WATER VEGETATIVE GROWTH
26. AHMAD, R.; ABDULLAH, Z. SALINITY INDUCED CHANGES IN THE GROWTH AND CHEMICAL COMPOSITION OF POTATO. PAK. J. BOT. 11: 103-112. 1979. POTATO SOLANACEAE: SOLANUM TUBEROSUM POT, SOIL SODIUM, CHLORIDE, MAGNESIUM, SULFATE, CALCIUM, BICARBONATE, VARIETY REDUCING SUGAR, CHLOROPHYLL, PROTEIN, GLYCOALKALOIDS, VEGETATIVE GROWTH, TUBER YIELD
27. AHMAD, R.; ABDULLAH, Z. N. BIOMASS PRODUCTION ON SANDY DESERTS USING HIGHLY SALINE WATER. BIOTECHNOLOGY AND BIOENGINEERING SYMPOSIUM. NO. 10. JOHN WILEY AND SONS, INC.; NEW YORK, N.Y. P 121-124. 1980. CORN; WHEAT; BEET, SUGAR; POTATO; COTTON GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM; CHENOPODIACEAE: BETA VULGARIS; SOLANACEAE: SOLANUM TUBEROSUM; MALVACEAE: GOSSYPIUM HIRSUTUM DESERT CLIMATE, SAND SEA WATER VEGETATIVE GROWTH, SEED QUALITY, YIELD, EMERGENCE
28. AHMED, A. M.; HEIKAL, M. D.; SHADDAD, M. A. GROWTH, PHOTOSYNTHESIS AND FAT CONTENT OF SOME OIL PRODUCING PLANTS AS INFLUENCED BY SOME SALINIZATION TREATMENTS. PHYTON ANN. REI. BOT. 19: 259-267. 1979. BEAN, CASTOR; FLAX; SUNFLOWER EUPHORBIACEAE: RICINUS COMMUNIS; LINACEAE: LINUM USITATISSIMUM; COMPOSITAE: HELIANTHUS ANNUUS WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, OIL COMPOSITION
29. AHMED, A. M.; HEIKAL, M. M.; RADI, A. F.; SHADDAD, M. A. PHOTOSYNTHESIS OF SOME ECONOMIC PLANTS AS AFFECTED BY SALINIZATION TREATMENTS. II. SAFFLOWER AND MAIZE. EGYPT. J. BOT. 20: 17-27. 1977. SAFFLOWER; CORN COMPOSITAE: CARTHAMUS TINCTORIUS; GRAMINEAE: ZEA MAYS POT, RADIOACTIVE CARBON SODIUM, CHLORIDE PHOTOSYNTHESIS, CHLOROPHYLL "A", CHLOROPHYLL "B", C"A"ROTENOIDS
30. AHMED, A. M.; HEIKAL, M. M.; SHADDAD, M. A. CHANGES IN SOME PLANT-WATER RELATION PARAMETERS OF SOME OIL PRODUCING PLANTS OVER A RANGE OF SALINITY STRESSES. BIOL. PLANT. 21: 259-265. 1979. BEAN, CASTOR; FLAX; SUNFLOWER EUPHORBIACEAE: RICINUS COMMUNIS; LINACEAE: LINUM USITATISSIMUM; COMPOSITAE: HELIANTHUS ANNUUS WATER CULTURE

SODIUM, CHLORIDE, SULFATE TRANSPIRATION, WATER CONTENT, STOMATA

31. AHMED, A. M.; HEIKAL, M. M.; ZIDAN, M. A. EFFECTS OF SALINIZATION TREATMENTS ON GROWTH AND SOME RELATED PHYSIOLOGICAL ACTIVITIES OF SOME LEGUMINOUS PLANTS. CAN. J. PLANT SCI. 60: 713-720. 1980. BEAN, KIDNEY; COWPEA LEGUMINOSAE: PHASEOLUS VULGARIS, VIGNA UNGUICULATA WATER CULTURE SODIUM, CHLORIDE STOMATAL FREQUENCY, TRANSPIRATION, PHOTOSYNTHESIS, WATER CONTENT, VEGETATIVE GROWTH, MINERAL COMPOSITION
32. AHMED, M. B.; GABR, A. I.; EL-SHAFFEY, Y. H.; EL-SHOUBAGY, M. N.; SHALABY A. A. THE EFFECT OF SALINITY ON NUCLEOTIDE COMPOSITION OF RNA IN LEAVES OF LYCOPERSICON ESCULENTUM AND ATRIPLEX NUMMULARIA. BULL. SOC. HIST. NAT. AFR. NORD. 68: 59-70. 1977. TOMATO; SALTBRUSH SOLANACEAE: LYCOPERSICON ESCULENTUM; CHENOPODIACEAE: ATRIPLEX NUMMULARIA GREENHOUSE, SAND CULTURE, POT SODIUM, CHLORIDE RIBONUCLEIC ACID, ADENOSINE MONOPHOSPHATE, GUANOSINE MONOPHOSPHATE, CYTIDINE MONOPHOSPHATE, URIDINE MONOPHOSPHATE
33. AHMED, S.; ASSAD, A. A.; QURESHI, R. H.; GHANI, A. EFFECT OF SALINIZATION ON EMERGENCE AND GROWTH OF THREE WHEAT VARIETIES. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPING SALT TOLERANCE IN PLANTS. (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 194-201. WHEAT GRAMINEAE: TRITICUM AESTIVUM TEST TUBE, GROWTH CHAMBER, WATER CULTURE SODIUM, CHLORIDE EMERGENCE, SEEDLING GROWTH, ROOT GROWTH, SHOOT GROWTH, SALT TOLERANCE, GERMINATION
34. AKBAR, M.; SHAKOOR, A.; SAJJAD, M. S. PROSPECTS OF BREEDING FOR SALT TOLERANCE IN RICE GENETIC DIVERSITY IN PLANTS, A. MUHAMMED, R. AKSEL, R. C. VON BORSTEL (EDS.), BASIC LIFE SCIENCES, PLENUM PRESS, NEW YORK, 8:291-299. 1977. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL SALINE SOIL, SALINE WATER VEGETATIVE GROWTH, GENETIC INTERACTION
35. AL-BADRAWY, R.; BUSSLER, W. SYMPTOME VON BORMANGEL UND BORUBERSCHUB BEI HIBISCUS ESCULENTUS. BORON DEFICIENCY AND BORON TOXICITY IN HIBISCUS ESCULENTUS (GER; ENG SUM). Z. PFLANZENNAEHR BODENKD. 140: 505-513. 1977. OKRA MALVACEAE: HIBISCUS ESCULENTUS BORON TOXICITY SYMPTOM, MINERAL COMPOSITION
36. AL-KAWAR, G. M. A REPORT ON SALINITY EFFECTS ON YIELD AND WATER CONSUMPTION OF LOCAL AND INTRODUCED ALFALFA CULTIVARS GROWN UNDER GREENHOUSE CONDITIONS. IRAQ J. AGRIC. SCI. 10: 105-115. 1975. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA SEED WEIGHT, PLANT HEIGHT, STRAW YIELD
37. AL-SAIDI, I. STUDIES ON THE DIFFERENT CONCENTRATIONS OF SODIUM CHLORIDE AND CALCIUM CHLORIDE SALTS ON THE GROWTH OF SOME GRAPEVINE CULTIVAR TRANSPLANTS. MESOPOTAMIA J. AGRIC. 15: 125-136. 1980. GRAPE VITACEAE: VITIS VINIFERA FIELD PLOTS, SAND, SOIL, GREENHOUSE SODIUM, CHLORIDE, SALINE SOIL, SALINE WATER VEGETATIVE GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE, OSMOTIC POTENTIAL
38. ALBERT, R. SALT REGULATION IN HALOPHYTES. OECOLOGIA 21: 57-71. 1975. CHENOPODIACEAE: SUAEDA MARITIMA, CHENOPODIUM GLAUCUM, SALICORNIA PROSTRATA; CRUCIFERAE: LEPIDIUM CRASSIFOLIUM; COMPOSITAE: ASTER TRIPOLIUM, SCORZONERA PARVIFLORA; GRAMINEAE: PUCCINELLIA DISTANS, CRYPIS ACULEATA; CYPERACEAE: BOLBOSCHOENUS MARITIMUS; JUNCACEAE: JUNCUS GERARDII; CARYOPHYLLACEAE: SPERGULARIA MEDIA; PLANTAGINACEAE: PLANTAGO MARITIMA; JUNCAGINACEAE: TRIGLOCHIN MARITIMA
39. ALBERT, R.; FALTER, J. STOFFWECHSELPHYSIOLOGISCHE UNTERSUCHUNGEN AN BLÄTTERN STREUSALZGESCHÄDIGTER LINDEN IN WIEN. I. SALZGEHALT UND IONENBILANZ. INVESTIGATION ON METABOLISM OF LIME-TREE LEAVES INJURED BY DE-ICING SALTS. I. SALT

- CONTENT AND IONIC BALANCE. (GER; ENG SUM). PHYTON 18: 173-197. 1978. LINDEN, SMALL-LEAVED EUROPEAN TILIACEAE: TILIA CORDATA DEICING SALT MINERAL COMPOSITION
40. ALBERT, R.; FALTER, J. STOFFWECHSELPHYSIOLOGISCHE UNTERSUCHUNGEN AN BLÄTTERN STREUSALZGESCHÄDIGTER LINDEN IN WIEN. II. STICKSTOFF-UND KOHLENHYDRATSTOFFWECHSEL. INVESTIGATIONS ON METABOLISM OF LIME-TREE LEAVES INJURED BY DE-ICING SALTS. 2. NITROGEN AND CARBOHYDRATE METABOLISM. (GER; ENG SUM) PHYTON 19: 141-162. 1979. LINDEN, SMALL-LEAVED EUROPEAN TILIACEAE: TILIA CORDATA DEICING SALT CARBOHYDRATE, NITRATE, AMINO ACID, PROTEIN NITROGEN, PROLINE
 41. ALEJAR, A. A. ALLEVIATION OF SOME PHYSIOLOGICAL EFFECTS OF SALINITY ON BARLEY WITH 3,5-DIODO-4-HYDROXYBENZOIC ACID. PHILLIP. J. SCI. 107: 13-22. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE GERMINATION DISH SODIUM, CHLORIDE, DI-IDO-HYDROXYBENZOIC ACID GERMINATION, EMERGENCE, SODIUM UPTAKE, CHLORIDE UPTAKE, ETHYLENE, ROOT GROWTH
 42. ALEKPEROV, S. A.; KHRZHANOVSKAIA, T. E.; ABDIEVA, R. G.; MAMEDOVA, I. I. VARIATION OF THE ACTIVITY OF PHOSPHATASES AND ADENOSINE TRIPHOSPHATES IN WOOD PLANTS IN CONDITIONS OF SALINIZATION. (RUS). IZV. AKAD. NAUK. AZ. SSR. SER. BIOL. NAUK 3: 14-18. 1976. PINE, ELDER PINACEAE: PINUS ELDARICA POT CHLORIDE, SULFATE PHOSPHATASE, ADENOSINE TRIPHOSPHATE
 43. ALI, T.; HAIDER, G.; FAROOQI, M. A. R. EFFECT OF TUBEWELL WATERS OF DIFFERENT SALINITIES ON THE GROWTH OF SUGARCANE CROP AND SOIL PROPERTIES. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 164-177. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, FIELD PLOTS SALINE WATER YIELD, SODIUM UPTAKE
 44. ALIKHANOVA, O. I. TOXIC ACTION OF BORON ON PLANTS. (RUS) AGROKHIMIYA 7: 98-102. 1980. WHEAT; COTTON; SUNFLOWER GRAMINEAE: TRITICUM AESTIVUM; COMPOSITAE: HELIANTHUS ANNUUS; MALVACEAE: GOSSYPIUM HIRSUTUM GREENHOUSE; FIELD BORON BORON TOXICITY, BORON UPTAKE, BORON TOLERANCE
 45. ALINA, B. A.; KLYSHEV, L. K. EFFECT OF ENVIRONMENT SALINIZATION ON CYCLIC PHOTOPHOSPHORYLATION IN RICE CHLOROPLASTS SALT INTOXICATION OF PLANTS. (RUS) IZV. SER. BIOL. AKAD. NAUK. KAZ. SSR. 4: 10-14. 1979. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CHLORIDE, SULFATE ATP
 46. ALONI, B.; PRESSMAN, E. INTERACTION WITH SALINITY OF CA³⁺-INDUCED LEAF ELONGATION, PETIOLE PITHINESS AND BOLTING IN CELERY. SCI. HORT. 13: 135-142. 1980. CELERY UMBELLIFERAE: APIUM GRAVEOLENS POT, GREENHOUSE GIBBERELLIC ACID, SODIUM, CHLORIDE, TEMPERATURE LEAF ELONGATION, BOLTING, YIELD
 47. ALSTON, A. M.; MILLER, M. H. EFFECT OF WATER STRESS ON SUBSEQUENT UPTAKE OF CHLORIDE BY WHEAT PLANTS. PLANT SOIL 49:305-315. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM WATER CULTURE CALCIUM, SULFATE TRANSPIRATION, WATER POTENTIAL, CHLORIDE UPTAKE
 48. AMIROVA, S. EFFECT OF DIFFERENT TYPES OF SALINIZATION ON ABSORPTION OF NITROGEN PHOSPHORUS AND POTASSIUM BY RICE ROOTS. (RUS) IZV. AKAD. NAUK. KAZ. SSR. SER. BIOL. 2: 22-24. 1980. RICE GRAMINEAE: ORYZA SATIVA SODIUM, CHLORIDE NITROGEN UPTAKE, POTASSIUM UPTAKE
 49. AMIROVA, S. EFFECT OF THE CARBONATE SALINIZATION ON THE GROWTH AND ABSORPTION SURFACE OF RICE ROOT SYSTEM. (RUS).

IZV. AKAD. NAUK. KAZ. SSR. SER. BIOL. 3: 14-16. 1976. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CARBONATE ROOT GROWTH

50. ANONYMOUS SOWING THE SEEDS OF THE SALTY REVOLUTION. AQUEDUCT 45: 15-19. 1978. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, SOLANACEAE: LYCOPERSICON ESCULENTUM GERMINATION DISH, FIELD, SAND SALINE SOIL, SEA WATER YIELD
51. ANSARI, A. Q.; ALAM, S. M. EFFECT OF SODIUM ON THE ELECTROCHEMICAL POTENTIAL DIFFERENCE AND GROWTH OF SUNFLOWER PLANTS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 16-31. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS POTS, VERMICULITE, GROWTH CHAMBER SODIUM, CHLORIDE, AERATION HEIGHT, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE
52. ANSARI, R. SALT TOLERANCE OF COTTON (GOSSYPIMUM HIRSUTUM AND GOSSYPIMUM ARBOREUM) VARIETIES. SIND UNIV. RES. J. VI: 69-75. 1972. COTTON MALVACEAE: GOSSYPIMUM HIRSUTUM, GOSSYPIMUM ARBOREUM SOIL, POT, GREENHOUSE SODIUM, CHLORIDE, SULFATE GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION
53. ANSARI, R.; AHMED, S. SALT TOLERANCE STUDIES IN PLANTS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 65-81. SORGHUM; WHEAT; COTTON; MUSTARD GRAMINEAE: TRITICUM AESTIVUM, SORGHUM VULGARE; MALVACEAE: GOSSYPIMUM HIRSUTUM, GOSSYPIMUM ARBOREUM; CRUCIFERAE: BRASSICA CAMPESTRIS, BRASSICA JUNCEA POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, GERMINATION, SODIUM UPTAKE, CALCIUM UPTAKE, YIELD, HEIGHT
54. ANSARI, R.; NAQVI, S. M.; ALA, S. A. GROWTH AND CHEMICAL COMPOSITION OF TWO CULTIVARS OF TRITICUM AESTIVUM AS AFFECTED BY SOIL SALINITY. COMMUN. SOIL SCI. & PLANT ANAL. 9: 443-453. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION
55. ANSARI, R.; NAQVI, S. M.; ALA, S. A. RESPONSE OF WHEAT CULTIVARS TO THE PRESENCE OF SODIUM SALTS AT GERMINATION AND IN EARLY DEVELOPMENT. BIOL. PLANT. 22: 470-472. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATOR SODIUM, SULFATE, NITRATE, PHOSPHATE, CHLORIDE, CARBONATE, BICARBONATE, ACETATE, CITRATE VEGETATIVE GROWTH
56. ANSARI, R.; NAQVI, S. M.; AZMI, A. R. EFFECT OF SALINITY ON GERMINATION, SEEDLING GROWTH AND ALPHA-AMYLASE ACTIVITY IN WHEAT PAK. J. BOT. 9:163-166. 1977 WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, GERMINATOR SODIUM, CHLORIDE, SEED PRETREATMENT GERMINATION, SEEDLING GROWTH, ALPHA-AMYLASE
57. ASHOUR, N. I.; ABDEL-HALIM, M. A.; RAAFI, A.; NOUR, T. A. INCREASING SALT TOLERANCE OF WHEAT AT EARLY STAGES OF GROWTH UNDER CHLORIDE AND SULPHATE TYPES OF SALINITY. ACTA AGRON. 26: 127-134. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL CHLORIDE, SULFATE, SODIUM, MAGNESIUM, CALCIUM, CARBONATE GERMINATION, CHLOROPHYLL "A", CHLOROPHYLL "B", CAROTENOIDS, ROOT GROWTH, VEGETATIVE GROWTH, MINERAL COMPOSITION, PROTEIN NITROGEN
58. ASHOUR, N. I.; THALLOOTH, A. T. EFFECT OF PUTRESCINE ON GROWTH AND PHOTOSYNTHETIC PIGMENTS OF BOARD BEAN PLANTS GROWN UNDER CHLORIDE SALINIZATION CONDITIONS. BIOCHEM. PHYSIOL. PFLANZEN (BPP) 162:203-208. 1971. BEAN, BROAD LEGUMINOSAE: VICIA FABA POT, SAND SODIUM, CALCIUM, CHLORIDE, PUTRESCINE DIHYDROCHLORIDE VEGETATIVE GROWTH, NITROGEN UPTAKE, CHLOROPHYLL, CAROTENOIDS, CHLOROPHYLLASE ACTIVITY

59. ASLAM, Z.; SALIM, M.; SANDHU, G. R.; QURESHI, R. R. SODICITY EFFECTS ON GROWTH AND CHEMICAL COMPOSITION OF DIPLACHNE FUSCA. PAK. J. BOT. 11: 123-128. 1979. KALLAR GRASS GRAMINEAE: DIPLACHNE FUSCA POT, SOIL SODIUM, BICARBONATE VEGETATIVE GROWTH, MINERAL COMPOSITION
60. ATANASIU, N.; THIAGALINGAM, K. A PRELIMINARY GERMINATION AND GROWTH TEST OF SOME MALAYSIAN AND EXOTIC PADDY VARIETIES ON SALINITY TOLERANCE. MALAYS. AGRIC. J. 51: 250-254. 1978. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SEA WATER, VARIETY GERMINATION, VEGETATIVE GROWTH
61. ATTENBURROW, D. C.; WALLER, P. L. SODIUM CHLORIDE: ITS EFFECT ON NUTRIENT UPTAKE AND CROP YIELDS WITH TOMATOES IN NFT. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SOIL, GREENHOUSE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, YIELD, FRUIT QUALITY
62. AVILOVA, L. D. STRUCTURAL STATE AND FUNCTIONAL ACTIVITY OF CHROMATIN IN THE CELLULAR NUCLEUS OF PLANTS DURING SALINIZATION. (RUS) IZU. SEV-KAVK. NAUCHIN. TSENTRA. VYSSH. SHK. ESTESTV. NAUK. 6: 91-94. 1978. CORN; BARLEY GRAMINEAE: ZEA MAYS, HORDEUM VULGARE SODIUM, CHLORIDE, SULFATE DEOXYRIBONUCLEIC ACID, ROOT GROWTH
63. AVILOVA, L. D.; MATUKHIN, G. R. EFFECT OF CL AND SO₄ IONS ON ACCUMULATION AND DISTRIBUTION OF NUCLEIC ACIDS IN ROOT CELLS OF SUNFLOWER. (RUS.) BOT. ZHUR. 49: 1335-1338. 1964. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS GERMINATION DISHES SODIUM, CHLORIDE, SULFATE NUCLEIC ACID, VEGETATIVE GROWTH
64. AYADI, A.; MONNIER, A.; DEMARTY, M.; THELLIER, M. CELLULAR ION EXCHANGES: THE CASE OF PLANTS IN SALINE ENVIRONMENT. THE SPECIAL ROLE OF CELL WALLS. EXCHANGES IONIQUES CELLULAIRES: CAS DES PLANTES EN MILIEU SALE. ROLE PARTICULIER DES PARIOS CELLULAIRES. (FRE; ENG SUM). PHYSIOL. VEG. 18: 89-104. 1980. CELL WALL, ION ACCUMULATION, ION TRANSPORT
65. AZIZBEKOVA, Z. S.; ALLAKHVERDIEV, S. R. EFFECTS OF SUDDEN AND GRADUAL SALINIZATION IN DIFFERENT DEGREES ON GROWTH OF TOBACCO PLANT TISSUES AND ON THE ENTIRE PLANT. (RUS). IZV. AKAD. NAUK. AZ. SSR SER. BIOL. NAUK 2: 24-25. 1977. TOBACCO SOLANACEAE: NICOTIANA ALATA WATER CULTURE SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH
66. BABU, V. R.; KUMAR, S. SEED GERMINATION AND EARLY SEEDLING GROWTH OF CICER ARIETINUM LINN. CV. C-235, CAJANUS CAJAN SPRENG. CV. PUSA AGATI, PHASEOLUS AUREUS HAM. CV. S-8 AND PHASEOLUS MUNGO LINN. CV. P-1 UNDER GROWTH REGULATOR AND SALINITY-STRESSED CONDITIONS. J. INDIAN BOT. SOC. 58: 140-148. 1979. PEA, CHICK; CAJAN; BEAN, MUNG; GRAM, BLACK LEGUMINOSAE: CICER ARIETINUM, CAJANUS CAJAN, PHASEOLUS AUREUS, PHASEOLUS MUNGO GERMINATION DISHES, FILTER PAPER, GROWTH CHAMBER SODIUM, CHLORIDE, KINETIN, INDOLEACETIC ACID, GIBBERELIC ACID GERMINATION
67. BAKER, J. D.; RYALL, K. W. SALT DAMAGE IN VEGETABLES. AGRIC. GAZETTE OF NEW SOUTH WALES 90: 31. 1979.
68. BAKHAI, H. K.; EL-SAWABY, S. H.; ATA, S. K.; ANTAR, I. EFFECT OF SALINITY ON THE GROWTH AND YIELD OF NAPIERGRASS AGRIC. RES. REV. 54:57-62. 1976. NAPIER GRASS GRAMINEAE: PENNISETUM PURPUREUM POT, SOIL SODIUM, CALCIUM, CHLORIDE, CALCAREOUS SOIL VEGETATIVE GROWTH, TILLERING
69. BAL, A. R. NOTES ON THE EFFECT OF SUBMERGENCE WITH SALINE WATER AT DIFFERENT STAGES OF GROWTH OF SOME RICE VARIETIES. INDIAN J. AGRIC. SCI. 45: 497-499. 1975. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL GROWTH STAGE, SODIUM, CHLORIDE, VARIETY GRAIN YIELD, VEGETATIVE GROWTH

70. BALAKRISHNA, V.; IYENGAR, E. R. R. SALINITY TOLERANCE OF DRY LAND RICE VARIETIES AT GERMINATION AND SEEDLING GROWTH. CURR. AGRIC. 4: 27-30. 1980. RICE GRAMINEAE: ORYZA SATIVA GERMINATION DISHES SEA WATER GERMINATION, SEEDLING GROWTH, PLUMULE GROWTH, SEED WEIGHT
71. BALASUBRAMANIAN, V.; RAO, S. PHYSIOLOGICAL BASIS OF SALT TOLERANCE IN RICE. RISO. 26: 291-294. 1977. RICE GRAMINEAE: ORYZA SATIVA POT SODIUM, CALCIUM, CHLORIDE GRAIN YIELD, STRAW YIELD, VEGETATIVE GROWTH, GRAIN WEIGHT, POTASSIUM UPTAKE, SODIUM UPTAKE
72. BALKE, P. PLANTS FOR EXPOSED GARDENS. J. ROYAL HORTIC. SOC. 104: 141-146. 1979.
73. BANGARAYYA, M.; NARASIMHAMURTY, Y. C. BORON TOXICITY IN FLUE CURED TOBACCO. SCI. CULT. 36:118-119. 1970. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND BORON BORON UPTAKE, VEGETATIVE GROWTH, TOXICITY SYMPTOM
74. BANGASH, S. H. SALT TOLERANCE OF FOREST TREE SPECIES AS DETERMINED BY GERMINATION OF SEEDS AT DIFFERENT SALINITY LEVELS. PAK. J. FOR. 27: 93-97. 1977. LEBBECK-TREE; JERUSALEM-THORN; LOCUST, BLACK; JUJUBE LEGUMINOSAE: ACACIA ARABICA, ALBIZIA LEBBECK, PARKINSONIA ACULEATA, PROSOPIS SPICIGERA, ROBINIA PSEUDOCACIA, ZIZYPHUS JUJUBA POT, SOIL SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH
75. BAR-NUN, N.; POLJAKOFF-MAYBER, A. INTERVARIETAL DIFFERENCES IN THE AMINO-ACID COMPOSITION OF PEA ROOTS AS RELATED TO THEIR RESPONSE TO SALINITY. ANN. BOT. 44: 309-314. 1979. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE, VARIETY SODIUM, CHLORIDE GERMINATION, ROOT GROWTH, AMINO ACID
76. BARAKAT, M. A.; KHALIL, M. M.; ATIA, M. H. THE EFFECT OF SALINITY ON THE GERMINATION OF 17 RICE VARIETIES AGRIC. RES. REV. (CAIRO) 49:219-224. 1971. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, POT, SOIL VARIETY, SODIUM, CALCIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH
77. BARBOUR, M. G. SALT SPRAY AS A MICROENVIRONMENTAL FACTOR IN THE DISTRIBUTION OF BEACH PLANTS AT POINT REYES, CALIFORNIA OECOLOGIA 32:213-224. 1978. ONOGRACEAE: CAMISSONIA CHEIRANTHIFOLIA; GRAMINEAE: ELYMUS MOLLIS, POA DOUQL ASII; COMPOSITAE: FRANSERIA CHAMISSONIS, LAYIA CARNOSA, AGOSERIS APARGIOIDES SSP MARITIMA; CHENOPODIACEAE: ATRIPLEX LEUCOPHYLLA; NYCTAGINACEAE: ABRONIA LATIFOLIA; AIZOACEAE: MESEMBRYANTHEMUM CHILENSE; CRUCIFERAE: CAKILE MARITIMA ECOLOGY
78. BARI, G.; HAMID, A.; AWAN, M. A. EFFECT OF SALINITY ON GERMINATION AND SEEDLING GROWTH IN RICE VARIETIES. INTERNATIONAL RICE COMMISSION NEWSLETTER 22: 32-36. 1973. RICE GRAMINEAE: ORYZA SATIVA WATER, POT, GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM GERMINATION, ROOT GROWTH, SHOOT GROWTH
79. BARLASS, M.; SKENE, K. G. M. RELATIVE NA CL TOLERANCES OF GRAPEVINE CULTIVARS AND HYBRIDS IN VITRO. Z. PFLANZENPHYSIOL. 102: 147-156. 1981. GRAPE VITACEAE: VITIS WATER, SOIL SODIUM, CHLORIDE LEAF AREA, SHOOT GROWTH, LEAF FREQUENCY
80. BARRETO RODRIGES, J. F.; BARRETO, KH F. EFFECT OF SOIL SALINIZATION ON THE GROWTH AND YIELD OF SUGAR CANE (RUS; ENG SUM). POCHVOVEDENIE 4: 73-80. 1979. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOT, SOIL SALINE SOIL YIELD

81. BARRICK, W. E. SALT TOLERANT PLANTS FOR FLORIDA LANDSCAPES. PROC. FLA. ST. HORT. SOC. 91: 82-84. 1978. TREE; SHRUB; VINE; GROUND COVER; ORNAMENTALS
82. BARRICK, W. E. SALT TOLERANT PLANTS FOR FLORIDA LANDSCAPES. UNIVERSITY OF FLORIDA. FLORIDA SEA GRANT PROGRAM. REPORT NO. 28. 71 P. 1979. TREE, SHRUB, GROUND COVER, VINE
83. BARRICK, W. E.; DAVIDSON, H. DEICING SALT SPRAY INJURY IN NORWAY MAPLE AS INFLUENCED BY TEMPERATURE AND HUMIDITY TREATMENTS. HORTSCIENCE 15: 203-205. 1980. MAPLE, NORWAY ACERACEAE: ACER PLATANOIDES GROWTH CHAMBER, BEAKER, SAND, GREENHOUSE DEICING SALT, TEMPERATURE, HUMIDITY, SALT SPRAY BUD MOISTURE, BUD VIABILITY, SODIUM UPTAKE, CHLORIDE UPTAKE, STEM INJURY
84. BARRICK, W. E.; FLORE, J. A.; DAVIDSON, H. DEICING SALT SPRAY INJURY IN SELECTED PINUS SPP. J. AMER. SOC. HORT. SCI. 104: 617-622. 1979. PINE, EASTERN WHITE; PINE, AUSTRIAN PINACEAE: PINUS NIGRA, PINUS STROBUS SOIL, FIELD SODIUM, CHLORIDE, DEICING SALT MORPHOLOGY, ANATOMY
85. BASER, R. E.; GILMOUR, J. T. TOLERANCE OF RICE SEEDLINGS TO POTASSIUM SALTS. ARKANSAS EXPERIMENT STATION. BULLETIN 860. 1982. RICE GRAMINEAE: ORYZA SATIVA GROWTH CHAMBER, SOIL, FIELD TEMPERATURE, POTASSIUM, CHLORIDE, SULFATE, MOISTURE CONTENT SEEDLING GROWTH, GERMINATION, VEGETATIVE GROWTH
86. BASSETT, P. A. THE EFFECT OF SOIL SALINITY AND CALCIUM LEVELS ON THE GROWTH OF BROMUS MOLLIS IN THE CAMARGUE, FRANCE. OIKOS 35: 353-358. 1980. CHESS, SOFT GRAMINEAE: BROMUS MOLLIS SAND, POT CALCIUM, CARBONATE, SODIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE
87. BASSHAM, J. A. FEED AND FOOD FROM DESERT ENVIRONMENTS. ENVIRON. SCI. RES. 14: 17-45. 1979.
88. BEDUNAH, D.; TRLICA, M. J. CARBON DIOXIDE EXCHANGE OF PONDEROSA PINE AS AFFECTED BY SODIUM CHLORIDE AND POLYETHYLENE GLYCOL. FOREST SCI. 27: 139-146. 1981. PINE, PONDEROSA PINACEAE: PINUS PONDEROSA SAND, POT, GREENHOUSE, GROWTH CHAMBER SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PHOTOSYNTHESIS, XYLEM, WATER POTENTIAL, RESPIRATION, SODIUM UPTAKE, CHLORIDE UPTAKE
89. BEDUNAH, R.; TRLICA, M. J. SODIUM CHLORIDE EFFECTS ON CARBON DIOXIDE EXCHANGE RATES AND OTHER PLANT AND SOIL VARIABLES OF PONDEROSA PINE. CAN. J. FOR. RES. 9: 349-353. 1979. PINE, PONDEROSA PINACEAE: PINUS PONDEROSA POT, LATH HOUSE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, PHOTOSYNTHESIS, FOLIAR INJURY, RESPIRATION
90. BEJAOU, M. EFFECTS DU NaCl SUR L'ELONGATION, LA GEOREACTION ET L'ABSORPTION D'OXYGENE DE SEGMENTS APICAUX DE RACINES DE SOJA (GLYCINE MAX. (L.) MERR.). EFFECTS OF SODIUM CHLORIDE ON ELONGATION, GEOREACTION AND ABSORPTION OF OXYGEN IN SOYBEAN ROOTS. (FRE; ENG SUM). PHYSIOL. VEG. 18: 737-747. 1980. SOYBEAN LEGUMINOSAE: GLYCINE MAX SODIUM, CHLORIDE ROOT GROWTH, OXYGEN UPTAKE
91. BELOUSOV, E. V. TUR CHLOROCHLINE CHLORIDE INCREASES THE YIELD OF CEREALS. (RUS). ZASHCH. RAST. 2: 34-37. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SEED PRETREATMENT, CHLOROCOLINE CHLORIDE VEGETATIVE GROWTH, GRAIN YIELD

92. BEN-JAACOV, J.; NATANSON, G.; HAGILADI, A. THE USE OF A WIND-CONTROLLED OVERHEAD IRRIGATION SYSTEM TO PREVENT DAMAGE BY WIND-BORNE SALTS. J. AM. HORTIC. SCI. 105: 833-835. 1980. OLEANDER APOCYNACEAE: NERIUM OLEANDER FIELD SALT SPRAY SODIUM UPTAKE, POTASSIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION
93. BERINGER, H.; SCHACHERER, A.; HAEDER, H. E. UPTAKE AND TRANSLOCATION OF SODIUM IN TWO CULTIVARS OF LOLIUM PERENNE. AUFNAHME UND VERLAGERUNG VON NATRIUM BEI ZWEI SORTEN VON LOLIUM PERENNE. (GER; ENG SUM.) Z. PFLANZENERNÄHR BODENKD. 142: 815-823. 1979. RYEGRASS, PERENNIAL GRAMINEAE: LOLIUM PERENNE WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, TEMPERATURE SODIUM UPTAKE, VEGETATIVE GROWTH, LINOLENIC ACID, OLEIC ACID
94. BERNSTEIN, L. EFFECTS OF SALINITY AND SOIL WATER REGIME ON CROP YIELDS. IN: SALINITY IN IRRIGATION AND WATER RESOURCES. D. YARON (ED.). 4: 47-64. 1981. SALT TOLERANCE
95. BERNSTEIN, L. PHYSIOLOGICAL BASIS OF SALT TOLERANCE IN PLANTS IN GENETIC DIVERSITY IN PLANTS: PROCEEDINGS OF AN INTERNATIONAL SYMPOSIUM: 283-290. 1977.
96. BHATTACHARYA, R. K.; MISHRA, B.; RANA, R. S. AN EARLY RICE VARIETY FOR PARTIALLY RECLAIMED SODIC SOIL. ORYZA 16: 143-144. 1979. RICE GRAMINEAE: ORYZA SATIVA VARIETY, SODIC SOIL GRAIN YIELD
97. BHATTACHARYYA, R. K. GETU - A SALT TOLERANT RICE VARIETY. INDIAN FARMING 27:17-18. 1978. RICE GRAMINEAE: ORYZA SATIVA FIELD, SOIL SALINE SOIL GRAIN YIELD
98. BHATTACHARYYA, R. K. STABILITY OF SOME RICE VARIETIES GROWN IN SALT AFFECTED SOILS. CURR. AGRIC. 3: 37-42. 1979. RICE GRAMINEAE: ORYZA SATIVA FIELD, SOIL VARIETY, CLIMATE, SALINE SOIL GRAIN YIELD
99. BHATTACHARYYA, R. K.; MISHRA, B. PRESENT POSITION ON THE STUDIES OF SALT TOLERANT RICE VARIETIES IN INDIA AND THEIR PROBLEMS. CURR. AGRIC. 3: 73-79. 1979. RICE GRAMINEAE: ORYZA SATIVA
100. BHATTI, A. S.; SARWAR, G. RESPONSE OF CORN TO MICRONUTRIENTS (ZN AND CU) ON A SALINE SOIL. I. GROWTH AND IONIC RELATIONSHIPS. PLANT SOIL 48: 719-724. 1977. CORN GRAMINEAE: ZEA MAYS POT, SOIL SODIUM, CALCIUM, CHLORIDE, ZINC, COPPER, SULFATE TOP GROWTH, ROOT GROWTH, ZINC UPTAKE, COPPER UPTAKE, SODIUM UPTAKE, CALCIUM UPTAKE
101. BHATTI, A.; SARWAR, G.; SHEIKH, K. H.; HANIF, M.; SHARIF, M. EFFECT OF SODIUM CHLORIDE ON THE GROWTH AND ION CONTENT OF BARLEY PAK. J. SCI. IND. RES. 19:190-192. 1976. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SOIL SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE
102. BHOLA, S. N.; DHIR, R. P.; SHARMA, B. K. EFFECT OF SALINE IRRIGATION WATER ON THE PROTEIN CONTENT OF WHEAT. INDIAN J. AGRON. 25: 546. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, SOIL, FIELD PLOT SODIUM, CHLORIDE PROTEIN
103. BIELORAI, H.; SHALHEVET, J.; LEVY, Y. GRAPEFRUIT RESPONSE TO VARIABLE SALINITY IN IRRIGATION WATER AND SOIL IRRIGATION SCI. 1:61-70. 1978. GRAPEFRUIT RUTACEAE: CITRUS PARADISI SOIL, FIELD CHLORIDE, CALCIUM, SODIUM

FRUIT YIELD

104. BIGOT, J.; BINET, P. ACTION DE LA SALINITE SUR LA CROISSANCE ET L'ACTIVITE CX CELLULASE (ENDO-BETA(1, 4)GLUCANASE) CHEZ LES FEUILLES D'ATRIPLEX LITTORALIS L. ACTION OF SALINITY ON GROWTH AND CX CELLULASE ((ENDO-BETA (1,4) GLUCANASE)) ACTIVITY IN LEAVES OF ATRIPLEX LITTORALIS L. (FRE; ENG SUM). PHYSIOL. VEG. 17: 347-362. 1979. CHENOPODIACEAE: ATRIPLEX LITTORALIS SODIUM, CHLORIDE ENDO-BETA GLUCANASE, ENZYME ACTIVITY, CELLULASE, VEGETATIVE GROWTH
105. BIK, R. A. EFFECT OF IRRIGATION WATER SALINITY ON POSTHARVEST PERFORMANCE OF CYCLAMEN GROWN ON ROCK WOOL AND POTTING COMPOST. ACTA HORTIC. 99: 189-196. 1980. CYCLAMEN PRIMULACEAE: CYCLAMEN POT, SOIL, PEAT MOSS SODIUM, CHLORIDE FLOWERING, VEGETATIVE GROWTH
106. BIK, R. A. THE SENSITIVITY OF AZALEA INDICA OF SOIUM CHLORIDE IN SPRINKLER WATER. DE GEVOELIGHEID VAN AZALEA INDICA VOOR KEUKENZOUT IN HET GIETWATER. (DUT). MEDED. DIR. TUINB. 28: 496-503. 1965. AZALEA ERICACEAE: AZALEA INDICA SPRINKLER IRRIGATION CHLORIDE, SODIUM VEGETATIVE GROWTH, LEAF BURN, ROOT GROWTH, FLOWER BUDS, MINERAL COMPOSITION
107. BILLARD, J. P.; BOUGAUD, J. EFFECT OF NA CL ON THE ACTIVITIES OF GLUTAMATE SYNTHASE FROM A HALOPHYTE SUAEDA MARITIMA AND FROM A GLYCOPHYTE PHASEOLUS VULGARIS. PHYTOCHEM. 19: 1937-1942. 1980. BEAN, KIDNEY CHENOPODIACEAE: SUAEDA MARITIMA; LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE SODIUM, CHLORIDE GLUTAMATE SYNTHASE
108. BINGHAM, F. T. BORON IN CULTIVATED SOILS AND IRRIGATION WATERS. ADVAN. CHEM. SER. 123:130-138. 1973. BORON
109. BIRD, A. F. THE EFFECT OF VARIOUS CONCENTRATIONS OF SODIUM CHLORIDE ON THE HOST-PARASITE RELATIONSHIP OF THE ROOT-KNOT NEMATODE (MELOIDOGYNE JAVANICA) AND SOYBEAN (GLYCINE MAX VAR. LEE). MARCELLIA 40: 167-175. 1977. SOYBEAN LEGUMINOSAE: GLYCINE MAX WATER CULTURE, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, CHLORIDE UPTAKE, ROOT-KNOT NEMATODE
110. BLACQUIERE, T.; LAMBERS, H. GROWTH, PHOTOSYNTHESIS AND RESPIRATION IN PLANTAGO CORONOPUS AS AFFECTED BY SALINITY. PHYSIOL. PLANT. 51: 265-268. 1981. PLANTAIN PLANTAGINACEAE: PLANTAGO CORONOPUS GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, RESPIRATION
111. BLAKE, P. PLANTS FOR EXPOSED GARDENS. THE GARDEN J. ROYAL HORTIC. SOC. 104: 141-146. 1979. CYPRESS, LEYLAND CUPRESSACEAE: CUPRESSOCYPARIS LEYLANDII; SAXIFRAGACEAE: ESCALLONIA RUBRA FIELD SALT SPRAY SALT TOLERANCE
112. BLAMEY, F. P. C.; CHAPMAN, J. BORON TOXICITY IN SPANISH GROUNDNUTS. AGROCHEMOPHYSICA 11: 57-60. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD, SAND BORON MINERAL COMPOSITION
113. BLASER, R. E. PLANTS AND DE-ICING SALTS. AM. NURSERYM 144: 8-9. 1976. TREE; SHRUB DEICING SALT, SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE
114. BOLE, J. B.; WELLS, S. A. DRYLAND SOIL SALINITY: EFFECT ON THE YIELD AND YIELD COMPONENTS OF 6-ROW BARLEY, 2-ROW

- BARLEY, WHEAT AND OATS. CAN. J. SOIL SCI. 59: 11-17. 1979. BARLEY; WHEAT; OATS GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA FIELD PLOTS, SOIL SALINE SOIL GRAIN YIELD, GERMINATION, SEED WEIGHT, VEGETATIVE GROWTH
115. BOLE, J. B.; WELLS, S. A. SALT TOLERANCE OF CEREAL CROP TYPES AND VARIETIES. PROC. SUBCOM. SALT-AFFECTED SOILS, 11TH INTER. SOIL SCI. SOC. CONGR., EDMONTON, CANADA, JUNE 1978:5.1.-5.10. BARLEY; WHEAT; OATS GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA FIELD PLOT, SOIL SALINE SOIL GRAIN YIELD, GERMINATION, VEGETATIVE GROWTH
116. BOONTJES, J.; PLOEGMAN, C. ZOUT BEREGENINGSWATER EN DE BOLPRODUKTIE BIJ LELIES. SALINE SPRINKLING WATER AND THE BULB-PRODUCTION OF LILIES. (DUT; ENG SUM) BLOEMBOLLENCULTUUR 91: 2P. 1981. LILY LILIACEAE: LILIUM SPRINKLING, SAND, SOIL CHLORIDE SALT TOLERANCE
117. BOUAZIZ, E. TOLERANCE A' LA SALURE DE LA POMME DE TERRE. TOLERANCE OF POTATOES TO SALT (FRE; ENG SUM) PHYSIOL. VEG. 18: 11-17. 1980. POTATO SOLANACEAE: SOLANUM TUBEROSUM FIELD PLOT, SOIL SODIUM, CHLORIDE STALK DEVELOPMENT, LEAF DEVELOPMENT, TUBER NUMBER, TUBER WEIGHT
118. BOUZAI, A.; EL AMAMI, S. SALT WATER IRRIGATION OF TWO COTTON VARIETIES IN FIELD TRIALS. IRRIGATION AL'EAU SALSEE DE DEUX VARIETES DE COTONNIER DANS LES ESSAIS DE PLEIN CHAMP. (FRE; ENG SUM). PHYSIOL. VEG. 18: 35-44. 1980. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM FIELD, SOIL VARIETY, SODIUM, CHLORIDE VEGETATIVE GROWTH, YIELD
119. BOWER, C. A.; TAMIMI, Y. N. ROOT ADJUSTMENTS ASSOCIATED WITH SALT TOLERANCE IN SMALL GRAINS. AGRON. J. 71: 690-693. 1979. RICE; BARLEY; WHEAT; RYE; OAT GRAMINEAE: ORYZA SATIVA, HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA, SECALE CEREALE GREENHOUSE, POT, WATER CULTURE VARIETY, SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION, OSMOTIC POTENTIAL
120. BOYKO, H.; BOYKO, E. PLANT GROWING WITH SEA-WATER AND OTHER SALINE WATERS IN ISRAEL AND OTHER COUNTRIES. IN: SALINE IRRIGATION FOR AGRICULTURE AND FORESTRY. H. BOYKO, N. V. JUNE (EDS.) HAGUE, 1968. PP. 85-92. GRAMINEAE: AGROPYRUM JUNCUM, AMMOPHILA ARENARIA, HORDEUM VULGARE; ASCLEPIADACEAE: CALOTROPIS PROCERA; JUNCACEAE: JUNCUS MARITIMUS, JUNCUS PUNCTORIUS; AGAVACEAE: AGAVE SISALANA, AGAVE FOURCROYES FIELD PLOT SEA WATER, WATER QUALITY SALT TOLERANCE, WATER CONTENT
121. BOZCUK, S. EFFECTS OF KINETIN AND SALINITY ON GERMINATION OF TOMATO,, BARLEY AND COTTON. ANN. BOT. 48: 81-84. 1981. TOMATO; BARLEY; COTTON SOLANACEAE: LYCOPERSICON ESCULENTUM; GRAMINEAE: HORDEUM VULGARE; MALVACEAE: GOSSYPIUM HIRSUTUM WATER CULTURE, GROWTH CHAMBER KINETIN, SODIUM, CHLORIDE GERMINATION, DORMANCY
122. BRAUN W., R. H.; PIZARRO, O. C.; PACHECO, M. H.; GILOBERT, V. M. INTOXICACION SALINA DE VIDES EN COSTA DE ARAUJO, MENDOZA. SALINITY INTOXICATION OF GRAPES AT COSTA DE ARAUJO, MENDOZA. (SPA; ENG SUM). INTA, CLIMO Y SUELO (SERIE 3) 1: 101-132. 1964. GRAPE VITACEAE: VITIS VINIFERA FIELD, SOIL SODIUM, CHLORIDE, BORON, SALINE WATER VISUAL SYMPTOMS, CHLORIDE UPTAKE, BORON UPTAKE
123. BRAUN, R. H.; PIZARRO, O. C.; CINTA, W. EVOLUCION ESTACIONAL DE LA CONCENTRACION DE ALGUNOS IONES EN HOJAS DE VID. SEASONAL EVOLUTION OF IONIC CONCENTRATIONS IN VINEGRAPE LEAVES (SPA; ENG SUM). REV. DE INVEST. AGRO. 6:77-101. 1969. GRAPE VITACEAE: VITIS FIELD, SOIL SALINE SOIL MINERAL COMPOSITION

124. BREEN, C. M.; EVERSON, C.; ROGERS, K. ECOLOGICAL STUDIES ON SPOROBOLUS VIRGINICUS (L.) KUNTH WITH PARTICULAR REFERENCE TO SALINITY AND INUNDATION. HYDROBIOLOGIA 54: 135-140. 1977. DROPSEED GRAMINEAE: SPOROBOLUS VIRGINICUS POT, SAND SODIUM, CHLORIDE GERMINATION, MINERAL COMPOSITION, ROOT GROWTH
125. BRIENS, M. INFLUENCE OF SODIUM CHLORIDE ON SOLUBLE GLUCIDES AND STARCH OF SUAEDA MACROCARPA. INFLUENCE DU CHLORURE DE SODIUM SUR LES GLUCIDES SOLUBLES ET L'AMIDON DE SUAEDA MACROCARPA MOQ (FRE.). C. R. ACAD. SC. (PARIS) 274: 3549-3551. 1972. CHENOPODIACEAE: SUAEDA MACROCARPA WATER CULTURE SODIUM, CHLORIDE SUCROSE, FRUCTOSE, GLUCOSE
126. BRIGGS, D. GENECOLOGICAL STUDIES OF SALT TOLERANCE IN GROUNDSEL (SENECIO VULGARIS L.) WITH PARTICULAR REFERENCE TO ROADSIDE HABITATS. NEW PHYTOLOGIST 81: 31-389. 1978. GROUNDSEL COMPOSITAE: SENECIO VULGARIS GERMINATION DISHES, GREENHOUSE, SOIL SODIUM, CHLORIDE ROOT GROWTH, VEGETATIVE GROWTH
127. BROGOWSKI, Z.; CZERWINSKI, Z.; PRACZ, J. STAN ROWNOWAGI JONOWEJ A ODPORNOSC DRZEW I. KRZEWOW PARKOWYCH NA NA CL. IONIC BALANCE AND RESISTANCE OF PARK TREES AND SHRUBS TO SODIUM CHLORIDE USED FOR SNOW REMOVAL (POL; ENG SUM). ROCZ NAUK ROLN. SER A PROD ROSL 102:51-64. 1977 TREE-OF-HEAVEN; CATALPA, WESTERN; ASH, EUROPEAN; MAPLE, SILVER; CHERRY, BLACK SIMAROUACEAE: AILANTHUS ALTISSIMA; BIGNONIACEAE: CATALPA SPECIOSA; OLEACEAE: FRAXINUS EXCELSIOR; ACERACEAE: ACER SACCHARINUM; ROSACEAE: PRUNUS SEROTIA FIELD, SOIL SODIUM, CHLORIDE MINERAL COMPOSITION
128. BROWN, J. C. GENETIC POTENTIALS FOR SOLVING PROBLEMS OF SOIL MINERAL STRESS: DEFICIENCY AND BORON TOXICITY IN ALKALINE SOILS PLANT ADAPTATION TO MINERAL STRESS IN PROBLEM SOILS. PROCEEDINGS OF A WORKSHOP HELD AT THE NATIONAL AGRICULTURAL LIBRARY, BELTSVILLE, MARYLAND, NOVEMBER 22-23. 83-94. 1976. BORON, IRON
129. BROWN, J. C. PHYSIOLOGY OF PLANT TOLERANCE TO ALKALINE SOILS. IN: CROP TOLERANCE TO SUBOPTIMAL LAND CONDITIONS. G. A. JUNG (ED.), 257-276. 1978.
130. BRUN, A.; WACQUANT, J. NUTRITION DES VEGETAUX -- EFFET DU CHLORURE DE SODIUM SUR LA CROISSANCE ET LA TENEUR EN SODIUM ET POTASSIUM DE QUATRE ESPECES DE LUZERNES ANNUELLES PROVENANT D'UN MEME BIOTOPE D'ALGERIE. EFFECT OF SODIUM CHLORIDE ON GROWTH, AND SODIUM AND POTASSIUM CONTENT OF FOUR ANNUAL MEDICAGO SPECIES ORIGINATED FROM THE SAME SITE IN ALGERIA. (FRE; ENG SUM). C. R. ACAD. SC. PARIS. 293: 769-772. 1981. ALFALFA LEGUMINOSAE: MEDICAGO CILIARIS, MEDICAGO POLYMORPHA, MEDICAGO TRUNCATULA, MEDICAGO MINIMA SODIUM, CHLORIDE SODIUM UPTAKE, VEGETATIVE GROWTH
131. BURDYGINA, V. S.; KUZIN, A. T. EFFECT OF THE SALINE CONCENTRATION OF SOIL ON THE YIELD OF MAIZE. (RUS). IZV. AKAD. NAUK. TURKMAN SSR, SER. BIOL. NAUK 6: 75-79. 1965. CORN GRAMINEAE: ZEA MAYS SOIL, FIELD PLOT SALINE SOIL VEGETATIVE GROWTH
132. BURENIN, V. I. STUDIES OF SALT RESISTANCE OF RED BEET VARIETIES, EVALUATION OF INITIAL BREEDING MATERIAL. (RUS.) BIULL. VSES. INST. RASNIIEVOD. 86: 56-58. 1978. BEET, RED CHENOPODIACEAE: BETA VULGARIS GERMINATION DISHES SODIUM, CHLORIDE GERMINATION
133. BUSCH, C. D.; TURNER, F. SPRINKLER IRRIGATION WITH HIGH SALT CONTENT WATER TRANS. AMER. SOC. AGRIC. ENGIN. 10:494-496. 1967 COTTON MALVACEAE: GOSSYPIUM FIELD, SOIL SPRINKLER IRRIGATION, SALINE WATER MATURATION, YIELD

134. BUSCHBOM, U. EXPERIENCES WITH DE-ICING SALTS IN WEST GERMANY. EUR. J. FOR PATHOL. 10: 349-353. 1980. DEICING SALT
135. CAMPBELL, W. F.; WAGENET, R. J.; BAMATRAF, A. M.; TURNER, D. L. PATH COEFFICIENT ANALYSIS OF CORRELATION BETWEEN STRESS AND BARLEY YIELD COMPONENTS. AGRON. J. 72: 1012-1016. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT, SOIL CALCIUM, CHLORIDE, SODIUM, IRRIGATION FREQUENCY YIELD, SEED WEIGHT, VEGETATIVE GROWTH
136. CANTLIFFE, D. J.; SHULER, K. D.; WHITE, J. M. REDUCING VEGETABLE SEEDLING EXPOSURE TO SALT INJURY BY FASTER EMERGENCE THROUGH SEED TREATMENTS. ACTA HORTIC. 83: 261-266. 1978. CUCUMBER; PEPPER; SPINACH; CABBAGE CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA; CHENOPODIACEAE: SPINACIA OLERACEA; CUCURBITACEAE: CUCUMIS SATIVUS; SOLANACEAE: CAPSICUM ANNUUM FIELD, SOIL TEMPERATURE, POLYETHYLENE GLYCOL, SEED PRETREATMENT EMERGENCE
137. CARO, M.; FERNANDEZ, F. G.; CERDA, A.; GUILLEN, M. G. THE EFFECTS OF SODIUM CHLORIDE IN IRRIGATION WATER ON THE DEVELOPMENT OF CITRUS ROOTSTOCKS. REV. AGROQUIM AILMENT. 17: 501-508. 1977. CITRUS; ORANGE, SOUR; MANDARIN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS NOBILIS GREENHOUSE SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH, ROOT GROWTH
138. CARTER, M. R. EFFECTS OF SULPHATE AND CHLORIDE SOIL SALINITY ON GROWTH AND NEEDLE COMPOSITION OF SIBERIAN LARCH. CAN. J. PLANT SCI. 60: 903-910. 1980. LARCH, SIBERIAN PINACEAE: LARIX SIBERICA GREENHOUSE, FIELD, POT, SOIL CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION
139. CARTICA, R. J.; QUINN, J. A. RESPONSES OF POPULATIONS OF SOLIDAGO SEMPERVIRENS (COMPOSITAE) TO SALT SPRAY ACROSS A BARRIER BEACH. AM. J. BOT. 67: 1236-1242. 1980. GOLDENROD, SEASIDE COMPOSITAE: SOLIDAGO SEMPERVIRENS GREENHOUSE, FIELD SALT SPRAY ECOLOGY, STOMATAL DENSITY, TRICHOME DENSITY, LEAF THICKNESS
140. CAVALIERI, A. J.; HUANG, A. H. C. ACCUMULATION OF PROLINE AND GLYCINEBETAIN IN SPARTINA ALTERIFLORA LOISEL IN RESPONSE TO NACL AND NITROGEN IN THE MARSH. OECOLOGIA 49: 224-228. 1981. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA FIELD NITROGEN, SALINE SOIL LEAF WATER POTENTIAL, VEGETATIVE GROWTH, POLINE, GLYCINE BETAIN
141. CAVALIERI, A. J.; HUANG, A. H. C. EVALUATION OF PROLINE ACCUMULATION IN THE ADAPTATION OF DIVERSE SPECIES OF MARSH HALOPHYTES TO THE SALINE ENVIRONMENT. AMER. J. BOT. 66: 307-312. 1979. HALOPHYTE CHENOPODIACEAE: LIMONIUM CAROLINIANUM, JUNCUS ROEMERIANUS, SPARTINA ALTERNIFLORA, SPARTINA PATENS, DISTICHLIS SPICATA, SALICORNIA BIGELOVII, SALICORNIA VIRGINICA, BORRICHIA FRUTESCENS GROWTH CHAMBER, FIELD, SAND SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PROLINE
142. CERDA, A.; BINGHAM, F. T. EFFECTS OF THE INTERACTION OF SODIUM CHLORIDE AND PHOSPHORUS ON THE FOLIAR CONTENT OF IRON, MANGANESE, ZINC, COPPER AND BORON IN PLANTS. EFECTO DE LA INTERACCION NACL-P SOBRE EL CONTENIDO FOLIAR DE FE, MN, ZN, CU Y B EN PLANTAS. (SPA; ENG SUM). AN EDAPOL. AGROBIOL. 38: 233-243. 1979. SESAME; WHEAT; TOMATO PEDALIACEAE: SESAMUM INDICUM; GRAMINEAE: TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE SODIUM, CHLORIDE, PHOSPHORUS MINERAL COMPOSITION, IRON UPTAKE, MANGANESE UPTAKE, ZINC UPTAKE, COPPER UPTAKE, BORON UPTAKE
143. CERDA, A.; BINGHAM, F. T.; HOFFMAN, G. J.; HUSZAR, C. K. LEAF WATER POTENTIAL AND GASEOUS EXCHANGE OF WHEAT AND TOMATO AS AFFECTED BY NACL AND P LEVELS IN THE ROOT MEDIUM. AGRON. J. 71: 27-31. 1979. WHEAT; TOMATO GRAMINEAE: TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, WATER CULTURE PHOSPHORUS, SODIUM, CHLORIDE

GRAIN YIELD, FRUIT YIELD, STOMATAL DIFFUSION RESISTANCE, LEAF WATER POTENTIAL

144. CERDA, A.; BINGHAM, F. T.; LABANAUSKAS, C. K. BLOSSOM-END ROT OF TOMATO FRUIT AS INFLUENCED BY OSMOTIC POTENTIAL AND PHOSPHORUS CONCENTRATIONS OF NUTRIENT SOLUTION MEDIA. J. AMER. SOC. HORT. SCI. 104: 236-239. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, PHOSPHORUS BLOSSOM-END ROT, MINERAL COMPOSITION, FRUIT YIELD, PHOSPHORUS UPTAKE
145. CERDA, A.; CARO, M.; FERNANDEZ, F. G. INFLUENCIA DEL CLORURO SODICO EN EL AGUA DE RIEGO SOBRE LA COMPOSICION MINERAL DE LA HOJA DE TOMATE. EFFECT OF SODIUM CHLORIDE IN IRRIGATION WATER ON MINERAL COMPOSITION OF TOMATO LEAF (SPA; ENG SUM). AGROCHIMICA 21:503-512. 1977. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM FIELD, SOIL VARIETY, SODIUM, CHLORIDE MINERAL COMPOSITION
146. CERDA, A.; CARO, M.; FERNANDEZ, F. G.; GUILLEN, M. G. FOLIAR CONTENTS OF SODIUM AND CHLORIDE ON CITRUS ROOTSTOCKS IRRIGATED WITH SALINE WATERS. IN: MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF., TEXAS TECH UNIV. AUGUST 1976: 155-164. ORANGE, SOUR; CITRANGE, TROYER; MANDARIN, CLEOPATRA; ALEMOW; NANSHODAI; MANDARIN, KINNOW RUTACEAE: CITRUS AURANTIUM, PONCIRUS TRIFOLIATE X CITRUS SINENSIS, CITRUS RETICULATA, CITRUS MACROPHYLLA, CITRUS TAIWANICA, CITRUS NOBILIS LAUREIRO X CITRUS DELICIOSA TENORE GREENHOUSE, SOIL SODIUM, CHLORIDE CHLORIDE UPTAKE, SODIUM UPTAKE
147. CERDA, A.; CARO, M.; FERNANDEZ, F. G.; GUILLEN, M. G. GERMINATION, DESARROLLO VEGETATIVO Y COMPOSICION MINERAL DEL GUISANTE (PISUM SATIVUM) EN CONDICIONES SALINAS. (SPA; ENG SUM). GERMINATION, PLANT GROWTH, AND MINERAL COMPOSITION OF PEAS (PISUM SATIVUM) IN SALINE CONDITIONS. AN EDAPOL. AGROBIOL. 38: 1827-1837. 1979. PEA LEGUMINOSAE: PISUM SATIVUM GREENHOUSE, SOIL VARIETY, SODIUM, CHLORIDE MINERAL COMPOSITION, PLANT GROWTH, GERMINATION
148. CERDA, A.; CARO, M.; FERNANDEZ, F. G.; GUILLEN, M. G. INFLUENCIA DE NA CL EN EL AGUA DE RIEGO SOBRE LA COMPOSICION MINERAL DE TRES VARIEDADES DE PIMIENTO. INFLUENCE OF NA CL IN IRRIGATION WATER ON THE MINERAL COMPOSITION OF THREE VARIETIES OF PEPPER. (SPA.) IN: COMPTES-RENDUS, 4E COLLOQ. INT. CONTROLE AILMENT PLANTES CULTIVEES. GENT, 1976. A. COTTENIE (ED). RIJKSUNIVERSITEIT, 1976. 1: 248-258. PEPPER SOLANACEAE: CAPSICUM ANNUUM FIELD PLOTS SODIUM, CHLORIDE VEGETATIVE GROWTH, MINERAL COMPOSITION
149. CERDA, A.; FERNANDEZ, F. G.; CARO, M. EFECTO DEL CLORURO SODICO EN EL AGUA DE RIEGO SOBRE LA SUCULENCIA FOLIAR DE PORTAINJERTOS CITRICOS. EFFECTS OF SODIUM CHLORIDE IN THE IRRIGATION WATER ON THE FOLIAR SUCULENCE OF CITRUS ROOTSTOCKS. (SPA; ENG SUM). AN EDAPOL AGROBIOL. 36:393-398. 1977. ORANGE, SOUR; ORANGE, MANDARIN; CITRANGE RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, PONCIRUS TRIFOLIATA X CITRUS SINENSIS, CITRUS MACROPHYLLA, CITRUS TAIWANICA. ROOTSTOCK, SODIUM, CHLORIDE CHLORIDE UPTAKE
150. CERDA, A.; FERNANDEZ, F. G.; CARO, M. INFLUENCIA DEL CLORURO SODICO EN EL AGUA DE RIEGO SOBRE EL RENDIMIENTO Y CALIDAD DEL TOMATE. EFFECT OF SODIUM CHLORIDE IN IRRIGATION WATER ON TOMATO YIELD AND QUALITY. (SPA; ENG SUM) AGROCHIMICA 21:295-304. 1977. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM FIELD, SOIL VARIETY, SODIUM, CHLORIDE FRUIT YIELD, FRUIT QUALITY
151. CERDA, A.; FERNANDEZ, F. G.; CARO, M.; GUILLEN, M. G. GROWTH AND MINERAL COMPOSITION OF TWO LEMON VARIETIES IRRIGATED WITH SALINE WATERS. AGROCHIMICA 23: 387-396. 1979. LEMON RUTACEAE: CITRUS LIMON LYSINETER, SOIL VARIETY, CHLORIDE, SULFATE VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION

152. CHAPMAN, H. D.; VANSELOW, A. P. BORON DEFICIENCY AND EXCESS CALIF. CITROG. 41:31-34. 1935. CITRUS RUTACEAE:
CITRUS BORON BORON TOXICITY
153. CHAPMAN, S. R.; HART, L. DEVELOPING SALT TOLERANT CROP VARIETIES NOW. MONT. STATE COLL. EXT. SERV 13:10-11. 1977.
154. CHAPMAN, S. R.; HART, L.; NARDI, B. RATE OF IMBIBITION AS A TOOL IN SCREENING FOR SALT TOLERANCE. CEREAL RES.
COMMUN. 6: 241-247. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE GERMINATOR VARIETY, SODIUM, CHLORIDE
GERMINATION, GERMINATION
155. CHATTERJEE, B. N.; CHATTERJEE, M.; DAS, N. R. NOTE ON THE DIFFERENCES IN THE RESPONSE OF WHEAT VARIETIES TO BORON.
INDIAN J. AGRIC. SCI. 50: 796. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM@ FIELD PLOT, SOIL BORON GRAIN
YIELD
156. CHAUHAN, R. P. S.; CHAUHAN, C. P. S.; KUMAR, D. FREE PROLINE ACCUMULATION IN CEREALS IN RELATION TO SALT TOLERANCE.
PLANT SOIL 57: 167-175. 1980. BARLEY; WHEAT GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM FIELD PLOT
SODIUM, CHLORIDE, CALCIUM PROLINE ACCUMULATION, GRAIN YIELD
157. CHAUHAN, R. P. S.; POWAR, S. L. TOLERANCE OF WHEAT AND PEA TO BORON IN IRRIGATION WATER. PLANT SOIL 50: 145-149.
1978. WHEAT; PEA GRAMINEAE: TRITICUM AESTIVUM; LEGUMINOSAE: PISUM SATIVUM FIELD PLOT, SOIL BORON VISUAL
SYMPTOMS, STRAW YIELD, GRAIN YIELD
158. CHAVAN, P. D.; KARADGE, B. A. INFLUENCE OF SALINITY ON LIPID COMPOSITION OF GROUNDNUT. PLANT BIOCHEM. J. 7: 89-93.
1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT SODIUM, CHLORIDE, SULFATE LIPID, POD YIELD
159. CHAVAN, P. D.; KARADGE, B. A. INFLUENCE OF SALINITY ON MINERAL NUTRITION OF PEANUT (ARACHIS HYPOGAEA L.). PLANT AND
SOIL 54: 5-13. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT, SOIL SODIUM, CHLORIDE, SULFATE
VEGETATIVE GROWTH, MINERAL COMPOSITION
160. CHAVAN, P. D.; KARADGE, B. A. INFLUENCE OF SODIUM CHLORIDE AND SODIUM SULFATE SALINITIES ON PHOTOSYNTHETIC CARBON
ASSIMILATION IN PEANUT. PLANT SOIL 56: 201-207. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT
SODIUM, CHLORIDE, SULFATE CHLOROPHYLL, PHOTOSYNTHESIS, ASSIMILATION
161. CHEN, Y.; ZAHAVI, E.; BARAK, P.; UMIEL, N. EFFECTS OF SALINITY STRESSES ON TOBACCO. I. THE GROWTH OF NICOTIANA TABACUM
CALLUS CULTURES UNDER SEAWATER, NACL, AND MANNITOL STRESSES. Z. PFLANZENPHYSIOL. 98: 141-153. 1980. TOBACCO
SOLANACEAE: NICOTIANA TABACUM GERMINATION DISHES SEA WATER, SODIUM, CHLORIDE, MANNITOL CALLUS GROWTH,
POTASSIUM UPTAKE, SODIUM UPTAKE
162. CHETVERTNYKH, L. M. RESISTANCE OF SWEETCLOVER SPECIES TO CHLORIDE-SULFATE SALINIZATION. (RUS). BIULL. VSES. INST.
RASTENIEVOD 60: 51-54. 1976. CLOVER, WHITE SWEET; CLOVER, YELLOW SWEET LEGUMINOSAE: MELILOTUS ALBA, MELILOTUS
OFFICINALIS POT, SOIL MAGNESIUM, SULFATE, SODIUM, CHLORIDE VEGETATIVE GROWTH
163. CHHABRA, R.; SINGH, S. B.; ABROL, I. P. EFFECT OF EXCHANGEABLE SODIUM PERCENTAGE ON THE GROWTH, YIELD, AND CHEMICAL

- COMPOSITION OF SUNFLOWER (HELIANTHUS ANNUUS L.). SOIL SCI. 127: 242-247. 1979. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS SOIL, FIELD PLOTS GYPSUM, CALCIUM, SULFATE, EXCHANGEABLE SODIUM PERCENTAGE GERMINATION, VEGETATIVE GROWTH, GRAIN YIELD, MINERAL COMPOSITION, OIL CONTENT
164. CHHILLAR, R. K. EFFECT OF LEVELS OF NITROGEN AND PHOSPHORUS ON THE YIELD OF OAT IN SODIC SOILS. INDIAN J. AGRON. 25: 512-513. 1980. OATS GRAMINEAE: AVENA SATIVA FIELD PLOT GYPSUM, NITROGEN, PHOSPHORUS, CALCIUM, SULFATE YIELD
165. CHHIPA, B. R.; LAL, P. EFFECT OF PRESOAKING TREATMENTS AND POTASSIUM LEVELS ON GERMINATION AND FODDER YIELD OF BAJRA GROWN ON SALT AFFECTED SOILS. INDIAN J. AGRIC. RES. 10: 217-222. 1976. MILLET, PEARL GRAMINEAE: PENNISETUM GLAUCUM POT, SOIL SODIUM, SULFATE, CHLORIDE, MAGNESIUM, INDOLEACETIC ACID, INDOLEBUTYRIC ACID, SALINE SOIL, ALKALINE SOIL, SEED PRETREATMENT, POTASSIUM GERMINATION, VEGETATIVE GROWTH
166. CHILDS, S. W.; HANKS, R. J. MODEL OF SOIL SALINITY ON CROP GROWTH. SOIL SCI. SOC. AMER. PROC. 39: 617-622. 1975. MODELING SALINE SOIL ROOT DISTRIBUTION, YIELD
167. CHOCHAN, T. I.; KHAN, W.; BANO, F. TRIALS TO IMPROVE SALT TOLERANCE IN TOMATOES. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 82-90. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SOIL, SAND SODIUM, CHLORIDE, SEED PRETREATMENT LEAF FREQUENCY, HEIGHT, CHLOROPHYLL, VEGETATIVE GROWTH
168. CHROMETZKA, P.; DILLENBURG, W. WIE VERTRAGT DAS STRASSENBEGLEITGRUM STREUSALZ? HOW DOES THE ROADSIDE VEGETATION TOLERATE DEICING SALT? (GER). GARTENWELT 23: 499-500. 1974. TREE DEICING SALT SALT TOLERANCE
169. COOPER, A. THE EFFECTS OF SALINITY AND WATERLOGGING ON THE GROWTH AND CATION UPTAKE OF SALT MARSH PLANTS. NEW PHYTOL. 90: 263-275. 1982. FESCUE; RUSH; THRIFT; PLANTAIN; FROST FLOWER; GRASS, ARROW; SAMPHIRE GRAMINEAE: FESTUCA RUBRA; JUNCACEAE: JUNCUS GERARDII; PLUMBAGINACEAE: ARMERIA MARITIMA; PLANTAGINACEAE: PLANTAGO MARITIMA; COMPOSITAE: ASTER TRIPOLIUM; JUNCAGINACEAE: TRIGLOCHIN MARITIMA; CHENOPODIACEAE: SALICORNIA EUROPAEA SOIL, GERMINATION DISHES SODIUM, CHLORIDE ROOT GROWTH, SHOOT GROWTH, SODIUM UPTAKE, SALT TOLERANCE, GERMINATION, VEGETATIVE GROWTH
170. COOPER, H. P.; GARMAN, W. H. EFFECT OF APPLICATION OF SODIUM ON THE COMPOSITION AND YIELD OF COTTON AT DIFFERENT LEVELS OF POTASH FERTILIZATION. SOIL SCI. SOC. AMER. PROC. 7: 331-338. 1943. COTTON MALVACEAE: GOSSYPIUM FIELD PLOT, SOIL SODIUM, POTASSIUM, CHLORIDE, NITRATE YIELD, CALCIUM UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE
171. CORDUKES, W. E. SALTOL, A SALT-TOLERANT RED FESCUE. CAN. J. PLANT SCI. 61: 761-764. 1981. FESCUE, RED GRAMINEAE: FESTUCA RUBRA, POA PRATENSIS, LOLIUM PERENNE FIELD PLOT, POT, SAND, PEAT MOSS, SOIL, GREENHOUSE SODIUM, CHLORIDE SALT SPRAY, SALT TOLERANCE
172. COUGHLAN, S. J.; WYN JONES, R. G. SOME RESPONSES OF SPINACEA-OLERACEA TO SALT STRESS. J. EXP. BOT. 31: 883-893. 1980. SPINACH CHENOPODIACEAE: SPINACIA OLERACEA GREENHOUSE, WATER CULTURE SODIUM, CHLORIDE, LIGHT VEGETATIVE GROWTH, WATER CONTENT, SODIUM UPTAKE, CHLORIDE UPTAKE, OSMOTIC PRESSURE, SHOOT GROWTH
173. CRACK, B. J.; CHIPPENDALE, F. ACCUMULATION OF SALT IN IRRIGATED NORTH QUEENSLAND TOBACCO SOILS. QUEENSLAND J. AGR.

SCI. 18:477-485. 1961. TOBACCO SOLANACEAE: NICOTIANA TABACUM FIELD SOIL SALINE SOIL CHLORIDE UPTAKE

174. CROUGHAN, T. P.; STAVAREK, S. J.; RAINS, D. W. IN VITRO DEVELOPMENT OF SALT RESISTANT PLANTS. ENVIRON. EXP. BOT. 21: 317-324. 1981. ALFALFA; RICE LEGUMINOSAE: MEDICAGO SATIVA; GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CHLORIDE SALT TOLERANCE
175. CROUGHAN, T. P.; STAVAREK, S. J.; RAINS, D. W. SELECTION OF A NaCl TOLERANT LINE OF CULTURED ALFALFA CELLS. CROP SCI. 18:959-963. 1978 ALFALFA LEGUMINOSAE: MEDICAGO SATIVA CELL CULTURE SODIUM, CHLORIDE CALLUS TISSUE, MINERAL COMPOSITION
176. CSIZINSKY, A. A. EFFECT OF SALT ON SEED GERMINATION AND TRANSPLANT SURVIVAL OF VEGETABLE CROPS. FLA. SCI. 42: 43-51. 1979. RADISH; LETTUCE; ONION; CARROT; BROCCOLI; CABBAGE; CAULIFLOWER; KOHLRABI; SQUASH CRUCIFERAE: BRASSICA OLERACEA VAR ITALICA, BRASSICA OLERACEA VAR CAPITATA, BRASSICA OLERACEA VAR BOTRYTIS, BRASSICA OLERACEA VAR CAULORAPA, RAPHANUS SATIVUS; UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA; COMPOSITAE: LACTUCA SATIVA ; AMARYLLIDACEAE: ALLIUM CEPA; CUCURBITACEAE: CUCURBITA PEPO FIELD PLOT, SOIL FERTILIZER YIELD, SEEDLING SURVIVAL
177. DAFNI, A.; NEGBI, M. VARIABILITY IN PROSOPIS FARCTA IN ISRAEL: SEED GERMINATION AS AFFECTED BY TEMPERATURE AND SALINITY. ISRAEL J. BOT. 27: 147-159. 1978. LEGUMINOSAE: PROSOPIS FARCTA GERMINATION DISHES SODIUM, CHLORIDE, TEMPERATURE GERMINATION, RADICLE GROWTH
178. DAHIYA, I. S.; MALIK, R. S.; SINGH, M. FIELD STUDIES ON LEACHING BEHAVIOUR OF A HIGHLY SALINE-SODIC SOIL UNDER TWO MODES OF WATER APPLICATION IN THE PRESENCE OF CROPS. J. AGR. SCI., CAMB. 97: 383-389. 1981. SAND, SOIL, FIELD PLOT SALINE SOIL, SALINE WATER, LEACHING RECLAMATION
179. DAIYA, K. S.; SHARMA, H. K.; CHAWAN, D. D.; SEN, D. N. EFFECT OF SALT SOLUTIONS OF DIFFERENT OSMOTIC POTENTIAL ON SEED GERMINATION AND SEEDLING GROWTH IN SOME CASSIA SPECIES. FOLIA. GEOBOT. PHYTOTAXON. 15: 149-153. 1980. SENNA; SICKLEPOD; SENNA, COFFEE; AVARAM LEGUMINOSAE: CASSIA ANGUSTIFOLIA, CASSIA ITALICA, CASSIA PUMILA, CASSIA TORA, CASSIA OBTUSIFOLIA, CASSIA OCCIDENTALIS, CASSIA AURICULATA GERMINATION DISHES SODIUM, CHLORIDE, SULFATE, CALCIUM GERMINATION, SEEDLING GROWTH
180. DAKBROWSKA, L.; SWIEBODA, M. CHANGES IN THE CHARACTER OF MEADOW PLANT COMMUNITIES INDUCED BY THE OVER FLOW AND STAGINATION OF SALT WATERS (POL; ENG SUM). FRAGM. FLORIST GEOBOT 23: 68-76. 1977. SAND-SPURRY; SALTBUSH; ALKALI GRASS; QUACK GRASS GRAMINEAE: PUCCINELLIA DISTANS, ACROPYRON REPENS; CARYOPHYLLACEAE: SPERGULARIA SALINA; CHENOPODIACEAE: ATRIPLEX HASTATA FIELD, SOIL SALINE WATER ECOLOGY
181. DANTZMAN, C. L.; HODGES, E. M. EFFECT OF SALINE IRRIGATION WATER ON THE GROWTH OF PANGOLA DIGITGRASS (DIGITARIA DECUMBENS STENT.). SOIL CROP SCI. SOC. FLA. PROC. 37: 131-134. 1978. PANGOLA GRASS GRAMINEAE: DIGITARIA DECUMBENS FIELD PLOT, SOIL SODIUM, CHLORIDE VEGETATIVE YIELD, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, MAGNESIUM UPTAKE
182. DARRA, B. L.; SETH, S. P.; SINGH, H.; MENDIRATTA, R. S. EFFECT OF HORMONE-DIRECTED PRESOAKING ON EMERGENCE AND GROWTH OF OSMOTICALLY STRESSED WHEAT (TRITICUM AESTIVUM L.) SEEDS. AGRON. J. 65: 292-295. 1973. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES SEED PRETREATMENT, GIBBERELLIC ACID, INDOLIBUTYRIC ACID, INDOLACETIC ACID, NAPHTHALENEACETIC ACID, SODIUM, CHLORIDE EMERGENCE, GERMINATION, SEEDLING GROWTH, ROOT GROWTH

183. DARRA, B. L.; SHARMA, D. L.; NATHAM, P. NOTE ON EFFECT OF SOIL SALINITY ON GERMINATION OF SEEDS OF SOME CROPS. CURR. AGRIC. 2: 77-79. 1978. SAFFLOWER; BARLEY; MUSTARD; WHEAT; FLAX; PEA; GRAM; CORIANDER COMPOSITAE: CARTHAMUS TINCTORIUS; GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; CRUCIFERAE: BRASSICA; LINACEAE: LINUM USITATISSIMUM; LEGUMINOSAE: PISUM SATIVUM, CICER ARIETINUM; UMBELLIFERAE: CORIANDRUM SATIVUM POT, SOIL SODIUM, CHLORIDE, SULFATE, CALCIUM GERMINATION
184. DARWIN, C. ON THE ACTION OF SEA-WATER ON THE GERMINATION OF SEEDS. J. LINN. SOC. 1: 130-140. 1857. VEGETABLES; GRASSES GRAMINEAE: SOLANACEAE: HYDROPHYLLACEAE: CRUCIFERAE: COMPOSITAE: LEGUMINOSAE: POLEMONIACEAE TEST TUBE SEA WATER, TEMPERATURE GERMINATION
185. DATTA, S. K.; PRADHAN, S. S. A MASS-SCREENING METHOD FOR SALT TOLERANCE OF RICE VARIETIES AT SEEDLING STAGE. INT. RICE RES. NEWL. 6: 9-10. 1981. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE SODIUM, CHLORIDE SEEDLING GROWTH, VEGETATIVE GROWTH, WATER UPTAKE, ROOT GROWTH, SHOOT GROWTH
186. DE JONG, T. M. COMPARATIVE GAS EXCHANGE AND GROWTH RESPONSES OF C3 AND C4 BEACH SPECIES GROWN AT DIFFERENT SALINITIES. OECOLOGIA 36:59-68. 1978. CHENOPODIACEAE: ATRIPLEX LEUCOPHYLLA, ATRIPLEX CALIFORNICA; NYCTAGINACEAE: ABRONIA MARITIMA. POT, SAND, GREENHOUSE SEA WATER PHOTOSYNTHESIS, CARBON DIOXIDE UPTAKE, GROWTH RATE, VEGETATIVE GROWTH
187. DEHAN, K.; TAL, M. SALT TOLERANCE IN WILD RELATIVES OF CULTIVATED TOMATO - RESPONSES OF SOLANUM PENELLII TO HIGH SALINITY. IRRIGATION SCI. 1:71-76. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, SOLANUM PENNELLII GREENHOUSE, WATER CULTURE SODIUM, CHLORIDE WATER CONTENT, ROOT GROWTH, VEGETATIVE GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE
188. DEMERITT, M. E., JR. PROSPECTS FOR SELECTING AND BREEDING TREES RESISTANT TO DEICING SALTS. NORTHEAST FOR. TREE IMPROV. CONF. PROC. 20: 130-140. 1970. TREE
189. DEMETRIADES, S. D.; HOLEVAS, C. D.; GAVALAS, N. A. BORON TOXICITY IN CITRUS TREES IN GREECE. ANN 1ST. PHYTOPATH. (BENAKI) (N.S.) 4:118-121. 1962. LEMON; CITRON RUTACEAE: CITRUS LIMON, CITRUS MEDICA FIELD BORON INJURY SYMPTOM
190. DEVI, C. S.; RAO, G. G.; RAO, G. R. CARBON-14 LABELED CARBON DIOXIDE INCORPORATION STUDIES UNDER SALT STRESS IN SAFFLOWER CARTHAMUS-TINCTORIUS. J. NUCLEAR AGRIC. BIOL. 9: 129-132. 1980. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS GREENHOUSE, POTS, RED SOIL-MANURE SODIUM, CHLORIDE GERMINATION, PLANT HEIGHT, DRY WEIGHT, LEAF AREA INDEX, GROWTH RATE, ¹⁴CO₂ INCORPORATION, LEAF AREA
191. DEVI, C. S.; RAO, G. R. INFLUENCE OF SALINITY ON STOMATAL BEHAVIOR IN GROUNDNUT. INDIAN J. PLANT PHYSIOL. 23: 174-180. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE STOMATAL CHARACTERISTIC, STOMATAL FREQUENCY, STOMATAL BEHAVIOR, TRANSPIRATION RATE
192. DEVITT, D.; JARRELL, W. M.; STEVENS, K. L. SODIUM-POTASSIUM RATIOS IN SOIL SOLUTION AND PLANT RESPONSE UNDER SALINE CONDITIONS. SOIL SCI. SOC. AM. J. 45: 80-86. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM LYSIMETER, SOIL SODIUM, CHLORIDE, POTASSIUM ROOT GROWTH, YIELD

193. DHINGRA, H. R.; VARGHESE, T. M. GERMINATION IN *SUAEDA FRUTICOSA* FORSK IN RELATION TO SALINITY. *GEOBIOS.* 6: 189-191. 1979. SEA BLITE *CHENOPODIACEAE*: *SUAEDA FRUTICOSA* GERMINATION DISH SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SODIUM, SULFATE GERMINATION
194. DHIR, R. P.; BHOLA, S. N.; KOLARKAR, A. S. PERFORMANCES OF "KHARCHIA 65" AND "KALYAN SONA" WHEAT VARIETIES AT DIFFERENT LEVELS OF WATER SALINITY AND NITROGENOUS FERTILIZERS. *INDIAN J. AGRIC. SCI.* 47:244-248. 1977. WHEAT *GRAMINEAE*: *TRITICUM AESTIVUM* FIELD PLOT, SOIL FERTILIZER, NITROGEN, SODIUM, CHLORIDE, BICARBONATE, POTASSIUM, MAGNESIUM, SULFATE, CALCIUM GRAIN YIELD, GRAIN WEIGHT
195. DIX, P. J.; STREET, H. E. SODIUM CHLORIDE-RESISTANT CULTURED CELL LINES FROM *NICOTIANA SYLVESTRIS* AND *CAPSICUM ANNUUM*. *PLANT SCI. LETT.* 5:231-237. 1975. TOBACCO; PEPPER *SOLANACEAE*: *NICOTIANA SYLVESTRIS*, *CAPSICUM ANNUUM* CELL CULTURE SODIUM, CHLORIDE CELL GROWTH
196. DJENOV, C. CERCETARI CU PRIVIRE LA MARIREA REZISTENTEI FATA DE SARURI A UNOR PLANTE DE CULTURA. INVESTIGATIONS ON INCREASING SALT RESISTANCE IN SOME CULTIVATED PLANTS. (RUM). *STUDII. CERC. BIOL. (SER. BOT.)* 17: 301-311. 1965. SORGHUM; RICE *GRAMINEAE*: *ORYZA SATIVA*, *SORGHUM BICOLOR* GERMINATION DISHES, POT MAGNESIUM, SULFATE, SODIUM, CHLORIDE GERMINATION, CATALASE, VEGETATIVE GROWTH, PHOTOSYNTHESIS
197. DOCHINGER, L. S.; TOWNSEND, A. M. EFFECTS OF ROADSIDE DEICER SALTS AND OZONE ON RED MAPLE PROGENIES. *ENVIRON. POLLUT.* 19: 229-237. 1979. MAPLE, RED *ACERACEAE*: *ACER RUBRUM* POT, SAND, GREENHOUSE SODIUM, CHLORIDE, DEICING SALT, OZONE VEGETATIVE GROWTH
198. DOERTER, K.; GENDY, S. E.; LEISTER, S. EINFLUSS VON MIT SALZEN BETLASTETEM BEWASSERUNGSWASSER AUF BODENEIGENSCHAFTEN UND PFLANZENWACHSTUM EINES LOSSES. INFLUENCE OF IRRIGATION WATER LOADED WITH SALTS ON SOIL PROPERTIES AND PLANT GROWTH IN LOESS SOIL. (GER.) *WISS. Z. MARTIN LUTHER UNIV. HALLE-WITTENBERG MATH-NATURWISS REIHE* 26: 39- 49. 1977. CLOVER, RED; RYEGRASS, ITALIAN; FESCUE, MEADOW *LEGUMINOSAE*: *TRIFOLIUM PRATENSE*; *GRAMINEAE*: *LOLIUM MULTIFLORUM*, *FESTUCA PRATENSIS* GREENHOUSE, POT, SOIL SALINE WATER VEGETATIVE GROWTH
199. DOW, A. I.; CLINE, T. A.; HORNING, E. V. SALT TOLERANCE STUDIES ON IRRIGATED MINT. *WASH. STATE UNIV. AGRIC. BULL.* 0906. 11P. 1981. MINT *LABIATAE*: *MENTHA PIPERITA*, *MENTHA CARDIACA* POT, SAND, FIELD, GREENHOUSE SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, SALT MOVEMENT, YIELD
200. DOWDEN, H. G. M.; LAMBERT, M. J.; TRUMAN, R. SALINITY DAMAGE TO NORFOLK ISLAND PINES CAUSED BY SURFACTANTA. II. EFFECTS OF SEA WATER AND SURFACTANT MIXTURES ON THE HEALTH OF WHOLE PLANTS. *AUST. J. PLANT PHYSIOL.* 5: 387-395. 1978. PINE, NORFOLK ISLAND *ARAUCARIACEAE*: *ARAUCARIA HETEROPHYLLA* POT, SOIL SEA WATER, SODIUM ALKYL BENZENE SULFONATE, SALT SPRAY VEGETATIVE GROWTH, TOXICITY SYMPTOM, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE
201. DOWNTON, W. J. S. CHLORIDE ACCUMULATION IN DIFFERENT SPECIES OF GRAPEVINE *SCI. HORTIC.* 7:249-253. 1977. GRAPE *VITACEAE*: *VITIS RUPESTRIS*, *VITIS BERLANDIERI*, *VITIS RIPARIA*, *VITIS CANDICANS*, *VITIS LONGII*, *VITIS CHAMPINI*, *VITIS CINERIA*, *VITIS CORDIFOLIA*, *VITIS VINIFERA* SOIL, FIELD CHLORIDE CHLORIDE UPTAKE
202. DOWNTON, W. J. S. GROWTH AND FLOWERING IN SALT-STRESSED AVOCADO TREES. *AUST. J. AGRIC. RES.* 29:523-534. 1978. AVOCADO *LAURACEAE*: *PERSEA AMERICANA* POT, SAND, SOIL, GREENHOUSE SODIUM, CHLORIDE, ROOTSTOCK FLOWERING, VEGETATIVE GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE

203. DOWNTON, W. J. S. INFLUENCE OF ROOT STOCKS ON THE ACCUMULATION OF CHLORIDE, SODIUM, AND POTASSIUM IN GRAPEVINES. AUST. J. AGRIC. RES. 28:879-889. 1977. GRAPE VITACEAE: VITIS CHAMPINI, VITIS RUPESTRIS, VITIS RIPARIA, VITIS VINIFERA SOIL, FIELD SCION, ROOTSTOCK CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE

204. DOWNTON, W. J. S. SALINITY EFFECTS ON THE ION COMPOSITION OF FRUITING CABERNET SAUVIGNON VINES. AM. J. ENOL. VITIC. 28: 210-214. 1977. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE MINERAL COMPOSITION, SHOOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

205. DOWNTON, W. J. S.; CROMPTON, A. W. BUDBURST IN SULTANA GRAPEVINE AS INFLUENCED BY SALINITY AND ROOTSTOCK. AUST. J. EXP. AGRIC. ANIM. HUSB. 19: 749-752. 1979. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL, GREENHOUSE SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, ROOTSTOCK CHLORIDE UPTAKE, BUD BREAK

206. DOWNTON, W. J. S.; HAWKER, J. S. INTERACTION OF BORON AND CHLORIDE ON GROWTH AND MINERAL COMPOSITION OF CABERNET SAUVIGNON VINES. AMER. J. ENOL. VITIC. 31: 277-282. 1980. GRAPE VITACEAE: VITIS VINIFERA SOIL, GREENHOUSE, POT BORON, CHLORIDE VEGETATIVE GROWTH, MINERAL COMPOSITION

207. DOWNTON, W. J. S.; LOVEYS, B. R. COMPOSITIONAL CHANGES DURING GRAPE BERRY DEVELOPMENT IN RELATION TO ABSCISIC ACID AND SALINITY. AUST. J. PLANT PHYSIOL. 5: 415-423. 1978. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL, GREENHOUSE CHLORIDE, SODIUM, CALCIUM, MAGNESIUM ABSCISIC ACID, REDUCING SUGAR, FRUIT WEIGHT, OSMOTIC PRESSURE, TITRATABLE ACID, PROLINE, ARGININE, CHLORIDE UPTAKE, POTASSIUM UPTAKE

208. DRAGSTED, J. OPTONINGSSALTS BETYDNING FOR VEGETATIONSSKADER. RELATION OF SALT USED FOR MELTING HIGHWAY SNOW IN THE WINTER TO PLANT INJURIES. (DAN). UGESKR. F. AGRON. HORT. FORST., OG LIC. 122: 27-30. 1977. TREE FIELD DEICING SALT LEAF INJURY, CHLORIDE UPTAKE

209. DUDDE, K. B.; MALEWAR, G. U.; GAFFAR, S. A. STUDIES ON THE EFFECT OF NITROGEN, PHOSPHORUS, MOISTURE AND ALKALI LEVELS ON KERNEL YIELD OF GROUNDNUT. J. INDIAN SOC. SOIL SCI. 28: 394-395. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL PHOSPHORUS YIELD

210. DUVICK, D. N.; KLEESE, R. A.; FREY, N. M. BREEDING FOR TOLERANCE OF NUTRIENT IMBALANCES AND CONSTRAINTS TO GROWTH IN ACID, ALKALINE AND SALINE SOILS. J. PLANT NUTR. 4: 111-129. 1981. CORN; WHEAT; SOYBEAN; SORGHUM GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM, SORGHUM BICOLOR, LEGUMINOSAE: GLYCINE MAX, MEDICAGO SATIVA MINERAL COMPOSITION

211. ECKSTEIN, D.; LIESE, W.; PLOSSL, J. HISTOMETRIC STUDIES ON WILLOWS (SALIX SPP.) OF DIFFERENT SALT TOLERANCE. HISTOMETRISCHE UNTERSUCHUNGEN ZUR UNTERSCHIEDLICHEN STREUSALZTOLERANZ VON WEIDEN (SALIX SPP.). (GER; ENG). FORSTWISS. CENTRALBL. 97: 335-341. 1978. WILLOW, WHITE; OSIER; WILLOW SALICACEAE: SALIX ALBA, SALIX VIMINALIS, SALIX RUBENS, SALIX ALOPECUROIDES, SALIX MEYERIANA, SALIX BASFORDIANA HISTOLOGY

212. EDER, A.; HUBER, W.; SANKHLA, N. INTERACTION BETWEEN SALINITY AND ETHYLENE IN NITROGEN METABOLISM OF PENNISETUM TYPHOIDES SEEDLINGS. BIOCHEM. PHYSIOL. PFLANZ. 171:93-100. 1977. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM GERMINATION DISHES SODIUM, CHLORIDE, 2-CHLORETHYL-PHOSPHONIC ACID PROTEIN, ENZYME, AMINO ACID, PROLINE, ASPARTATE AMINOTRANSFERASE, ALANINE AMINOTRANSFERASE, GLUTAMATE DEHYDROGENASE, PROLINE DEHYDROGENASE, LEUCINE ARYLAMIDASE

213. EDONGALI, E. A.; FERRIS, H. VARIETAL RESPONSE OF TOMATO TO THE INTERACTION OF SALINITY AND MELOIDOGYNE INCOGNITA INFECTION. J. NEMATOL. 14: 57-62. 1982. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM VERMICULITE, GREENHOUSE, SAND, POT MELOIDOGYNE INCOGNITA, SODIUM, CHLORIDE, CALCIUM HEIGHT, VEGETATIVE GROWTH, FRUIT GROWTH, FLOWERING, ROOT GROWTH
214. EGOZQUE, R. M. SIEMBRA DE AGROPIRO ALARGADO (AGROPYRON ELONGATUM) EN SUELOS CON PROBLEMAS DE SALINIDAD-ALCALINIDAD. SOWING TALL WHEATGRASS IN SOILS WITH SALINITY-ALKALINITY PROBLEMS. (SPA). ASUNTOS AGRARIOS 1: 16-19. 1980. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM FIELD, SOIL SALINE SOIL, ALKALI SOIL VEGETATIVE GROWTH
215. EL KAROURI, M. O. H. EFFECTS OF SOIL SALINITY ON BROAD BEAN (VICIA FABA) IN THE SUDAN. EXP. AGRIC. 15: 59-63. 1979. BEAN, BROAD LEGUMINOSAE: VICIA FABA FIELD PLOT, SOIL SALINE SOIL, SODIUM, SULFATE VEGETATIVE GROWTH, BEAN YIELD
216. EL KAROURI, M. O. H.; MANSI, M. G. PERFORMANCE OF SORGHUM (SORGHUM VULGARE) AND MAIZE (ZEA MAYS) IN FORAGES IN IRRIGATED SALINE SOILS OF THE SUDAN. EXPL. AGRIC. 16: 431-436. 1980. SORGHUM; CORN GRAMINEAE: SORGHUM BICOLOR, ZEA MAYS PLOT, SOIL SALINE SOIL VEGETATIVE GROWTH
217. EL SAHAR, K. F.; ZANATI, M. R. EFFECT OF SOIL SALINITY AND SODICITY ON MATRICARIA CHAMOMILLA L. GROWTH. COMMUN. SOIL SCI. PLANT ANAL. 12: 1093-1103. 1981. CHAMOMILE COMPOSITAE: MATRICARIA RECUTITA SOIL, FIELD SODIUM, CHLORIDE, SOIL TYPE VEGETATIVE GROWTH, HEIGHT
218. EL-ABASERI, M. A.; REZK, M. L.; AHMED, A. R. EVALUATION OF NAPIER GRASS UNDER THE SOIL CONDITIONS OF THE NORTH PART OF NILE DELTA. J. AGRIC. RES. TANTA UNIV. 5: 358-368. 1979. GRASS, NAPIER GRAMINEAE: PENNISETUM PURPUREUM FIELD PLOT, SOIL SALINE SOIL VEGETATIVE GROWTH
219. EL-BELTAGY, A. S.; HALL, M. A. BASIC ELEMENTS FOR POSSIBLE NEW TECHNIQUE TO A SCREEN FOR PLANT RELATIVELY TOLERANT TO WATER STRESS. EGYPT. J. HORT. 6: 261-267. 1979. BEAN, BROAD LEGUMINOSAE: VICIA FABA POT, COMPOST, GREENHOUSE WATER TABLE, MOISTURE STRESS ETHYLENE
220. EL-BELTAGY, A. S.; KHALIFA, N. M.; HALL, M. H. SALINITY IN RELATION TO ETHYLENE. EGYPT. J. HORT. 6: 269-271. 1979. SPINACH; TOMATO; PEPPER CHENOPODIACEAE: SPINACIA OLERACEA; SOLANACEAE: LYCOPERSICON ESCULENTUM, CAPSICUM FRUTESCENS SODIUM, CHLORIDE ETHYLENE
221. EL-FOULY, M. M.; JUNG, J. INFLUENCE OF INCREASING NaCl CONCENTRATIONS IN THE IRRIGATION WATER ON GROWTH, MINERAL CONTENT AND ENZYME ACTIVITY OF WHEAT SEEDLINGS. AGROCHIMICA 25: 306-317. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, POT SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH, SEEDLING GROWTH, MINERAL COMPOSITION, ENZYME ACTIVITY
222. EL-KADI, M.; GABR, A. I.; EL-SAIDI, M. T.; KORTAM, M. A. THE EFFECT OF DIFFERENT COMBINATIONS OF SOIL SALINITY AND NITROGEN LEVELS ON MINERAL COMPOSITION OF COTTON PLANTS. ACTA AGRON. 26: 176-181. 1977. COTTON MALVACEAE: GOSSYPIUM BARBADENSE GREENHOUSE, POT, SOIL SODIUM, SULFATE, CHLORIDE, NITROGEN, FERTILIZER NITROGEN UPTAKE, PHOSPHORUS UPTAKE, POTASSIUM UPTAKE

223. EL-SHARKAWI, H. M.; SALAMA, F. M. SALT TOLERANCE CRITERIA IN SOME WHEAT AND BARLEY CULTIVARS. II. ADJUSTMENTS IN INTERNAL WATER BALANCE. BULL. FAC. SCI. ASSIUT. UNIV. 5: 1-15. 1976. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE POT, SOIL SODIUM, CALCIUM, CHLORIDE OSMOTIC PRESSURE, LEAF WATER CONTENT
224. EL-SHARKAWI, H. M.; SPRINGUEL, I. V. GERMINATION OF SOME CROP PLANT SEEDS UNDER SALINITY STRESS. SEED SCI. TECHNOL. 7: 27-37. 1979. WHEAT; BARLEY; SUDAN GRASS GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE, SORGHUM SUDANESE GERMINATION DISH SODIUM, CHLORIDE, CALCIUM, TEMPERATURE, OSMOTIC WATER POTENTIAL GERMINATION, SEEDLING GROWTH
225. EL-SHOUBAGY, M. N.; ABDULLA, O. A.; AHMED, F. A. EFFECTS OF CONSTANT AND GRADUAL EXPOSURE TO SODIUM CHLORIDE STRESS ON DNA, RNA, PROTEIN AND CERTAIN PROTEIN-AMINO ACIDS IN TWO VARIETIES OF BARLEY. PHYTON ANN. REI. BOT. 20: 215-225. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE POT, WATER CULTURE SODIUM, CHLORIDE, VARIETY DESOXYRIBONUCLEIC ACID, RIBONUCLEIC ACID, PROTEIN, AMINO ACID, GLUTAMIC ACID, ARGININE, LYSINE, CYSTINE, THREONINE, ALANINE, TYROSINE, PROLINE, ASCORBIC ACID
226. EL-SHOUBAGY, M. N.; MISSAK, N. L. EFFECT OF GROWING SEASON AND SALINITY ON GROWTH, MINERAL COMPOSITION AND SEED-LIPID CHARACTERISTICS OF SOME RICINUS COMMUNIS L. VARIETIES. FLORA 164: 51-71. 1975. BEAN, CASTOR EUPHORBIACEAE: RICINUS COMMUNIS SAND, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, FLOWERING, YIELD, HEIGHT
227. ELLIOTT, G. C.; NELSON, P. V. ACUTE BORON TOXICITY IN BEGONIA X HIEMALIS 'SCHWABENLAND RED'. SOIL SCI. PLANT ANAL. 12: 775-783. 1981. BEGONIAS, WINTER-FLOWERING BEGONIACEAE: BEGONIA X HIEMALIS SOIL, POT, GREENHOUSE BORON MINERAL COMPOSITION, LEAF INJURY
228. ELLOUZE, M.; GHARSALLI, M.; CHERIF, A. ACTION DU CHLORURE DE SODIUM SUR LA COMPOSITION LIPIDIQUE DES FEUILLES DU TOURNESOL (HELIANTHUS ANNUUS L.) ET DE LA "LIME RANGPUR" (CITRUS LIMONIA OSBECK). THE ACTION OF SODIUM CHLORIDE ON LIPID COMPOSITION IN SUNFLOWER AND RANGPUR LIME LEAVES. (FRE; ENG SUM). PHYSIOL. VEG. 18: 1-10. 1980. SUNFLOWER; LIME, RANGPUR COMPOSITAE: HELIANTHUS ANNUUS; RUTACEAE: CITRUS LIMONIA WATER CULTURE SODIUM, CHLORIDE LIPID
229. ENDE, J. VAN DEN, SONNEVELD, C. SALINE IRRIGATION WATER IN GREENHOUSE CULTIVATION IN THE WEST NETHERLANDS. LANDBOUWB. TIJDSCHR. 80: 348-353. 1968. CUCUMBER; TOMATO; LETTUCE; AZALEA ERICACEAE: RHODODENDRON INDICUM; SOLANACEAE: LYCOPERSICON ESCULENTUM; CUCURBITACEAE: CUCUMIS SATIVUS; COMPOSITAE: LACTUCA SATIVA
230. EPSTEIN, E. GENETIC POTENTIALS FOR SOLVING PROBLEMS OF SOIL MINERAL STRESS: ADAPTATION OF CROPS TO SALINITY PROC. WORKSHOP ON PLANT ADAPTATION TO MINERAL STRESS IN PROBLEM SOILS, BELTSVILLE, MARYLAND. NOV. 22-23. 1976: 73-82. 1976.
231. EPSTEIN, E. TOWARD SEAWATER-BASED CROP PRODUCTION. SEA GRANT PUBL. UNIV. CALIF. SEA GRANT COLL. PROGRAM 61: 90-91. 1977. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON CHEESMANII SOIL, FIELD SEA WATER YIELD
232. EPSTEIN, E.; NORLYN, J. D.; RUSH, D. W.; KINGSBURY, R. W.; KELLEY, R. W.; CUNNINGHAM, G. A.; WRONA, A. F. SALINE CULTURE OF CROPS: A GENETIC APPROACH SCIENCE 210: 399-404. 1980. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM

233. ERDEI, L.; KUIPER, P. J. C. THE EFFECT OF SALINITY ON GROWTH, CATION CONTENT, Na^+ -UPTAKE AND TRANSLOCATION IN SALT-SENSITIVE AND SALT-TOLERANT *PLANTAGO* SPECIES. *PHYSIOL. PLANT* 47: 95-99. 1979. *PLANTAGINACEAE: PLANTAGO MEDIA, PLANTAGO CORONOPUS, PLANTAGO MARITIMA* WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE, POTASSIUM UPTAKE
234. ERDEI, L.; KUIPER, P. J. C.; STUIVER, B. THE EFFECT OF SALINITY ON LIPID COMPOSITION AND ON ACTIVITY OF CALCIUM STIMULATED AND MAGNESIUM STIMULATED ATPASES IN SALT SENSITIVE AND SALT TOLERANT *PLANTAGO* SPECIES. *PHYSIOL. PLANT* 49: 315-319. 1980. *PLANTAIN PLANTAGINACEAE: PLANTAGO MEDIA, PLANTAGO MARITIMA, PLANTAGO CORONOPUS* GREENHOUSE, GROWTH CHAMBER SODIUM, CHLORIDE LIPID COMPOSITION, FATTY ACIDS, ADENOSINE TRIPHOSPHATE, PHOSPHOLIPIDS, GALACTOLIPIDS, SULFOLIPID, STEROLS, SITOSTEROLS, CHOLESTEROLS
235. ESCOLAR, R. P.; VELEZ, J. S. O. PERFORMANCE OF SUGARCANE VARIETY P.R. 980 GROWN ON A PARTIALLY RECLAIMED SALINE SODIC SOIL OF THE LAJAS VALLEY. *J. AGRIC. UNIV. P. R.* 63: 377-35. 1979. *SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM* FIELD PLOTS, SOIL SALINE SOIL MINERAL COMPOSITION, CANE YIELD, SUCROSE YIELD
236. ESHEL, A. WAISEL, Y. DISTRIBUTION OF SODIUM AND CHLORIDE IN LEAVES OF *SUAEDA MONOICA*. *PHYSIOL. PLANT* 46: 151-154. 1979. *CHENOPODIACEAE: SUAEDA MONOICA* SAND, GREENHOUSE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE
237. EVERETT, P. H. INFLUENCE OF PLUG-MIX PLACEMENT AND OVERHEAD WATERING ON SOLUBLE SALT ACCUMULATION AND SUBSEQUENT INJURY TO TOMATOES GROWN WITH FULL-BED MULCH. *PROC. TROP. REG. AM. SOC. HORTIC. SCI.* 18TH: 216-233. 1974. *TOMATO SOLANACEAE: LYCOPERSICON* SOIL SALINE SOIL, PLUG-MIX PLACEMENT, SPRINKLER IRRIGATION GERMINATION, FRUIT YIELD
238. EVERITT, J. H.; ALANIZ, M. A.; GERBERMANN, A. H. CHEMICAL COMPOSITION OF NATIVE RANGE GRASSES GROWING ON SALINE SOILS OF THE SOUTH TEXAS PLAINS. *J. RANGE MANAGE.* 35: 43-46. 1982. *DROPSEED; BRISTLE GRASS; PAPPUSGRASS, PINK; COTTONTOP, ARIZONA; TRIDENTS, WHITE; GRAMA, RED GRAMINEAE: HILARIA BELANGERI, SPOROBOLUS PYRAMIDATUS, SETARIA MACROSTACHYA, PAPPOPHORUM BICOLOR, TRIDENS ALBESCENS, BOUTELOUA TRIFIDA* FIELD SALINE SOIL MINERAL COMPOSITION
239. EVERS, F. H. UBER SCHADEN IN FISCHENBESTANDEN DURCH ABGESCHWEMMTE AUFTAUSALZE. ABOUT THE DAMAGE ON PINE TREES FROM DEICING SALT RUNOFF. (GER; ENG SUM). *FORSTW. CBI.* 90: 363-369. 1971. *SPRUCE PINACEAE: PICEA ABIES* DEICING SALT SODIUM UPTAKE, CHLORIDE UPTAKE
240. FADEN, A. O.; KIRKHAM, M. B. SALT TOLERANCE OF DROUGHT-SENSITIVE AND DROUGHT-RESISTANT WHEAT. *BIOSALINE RESEARCH: A LOOK TO THE FUTURE.* A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 467-472. 1982. *WHEAT GRAMINEAE: TRITICUM AESTIVUM, TRITICUM DURUM* GROWTH CHAMBER, SAND, SOIL SODIUM, CHLORIDE, IRRIGATION FREQUENCY STOMATAL RESISTANCE, ROOT GROWTH, SHOOT GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, DROUGHT RESISTANCE
241. FADL, M. S.; EL-DEEN, S. A. S. EFFECT OF N_6 -BENZYL ADENINE ON PHOTOSYNTHETIC PIGMENTS AND TOTAL SOLUBLE SUGARS OF OLIVE SEEDLING GROWN UNDER SALINE CONDITION. *EGYPT J. HORT.* 6: 169-183. 1979. *OLIVE OLEACEAE: OLEA EUROPAEA* POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, BENZYLADENINE SODIUM UPTAKE, CHLOROPHYLL, CAROTENE
242. FARNHAM, D. S.; AYERS, R. S.; HASEK, R. F. WATER QUALITY AFFECTS ORNAMENTAL PLANT PRODUCTION. *UNIV. CALIF. DIV. AGRIC. SCI. LEAFLET* 2995; 15 PP. 1979. *SHRUB*

243. FARNWORTH, J.; WILLIAMS, R. J. THE EFFECT OF SALINE DRAINAGE OR WELL WATER ON THE PRODUCTIVITY OF SIX SUMMER SOWN CROPS. PUBL. JT. AGRIC. RES. DEV. PROJ. 81: 9 PP. 1977. MILLET; CORN; SORGHUM; SUDAN GRASS; RHODES GRASS GRAMINEAE: ELEUSINE CORACANA, ZEA MAYS, SORGHUM BICOLOR, SORGHUM SUNDANENSE, CHLORIS GAYANA FIELD PLOT, SOIL SALINE WATER PROTEIN, FIBER, CARBOHYDRATE, ASH
244. FARRAHI-ASCHTIANI, S. YIELD AND NITROGEN UPTAKE OF SOYBEANS AND SAFFLOWER PLANTS GROWN ON ALKALINE SOIL AS AFFECTED BY IRON CHELATE, CCC AND NITROGEN. IRAN J. AGRIC. RES. 5: 145-149. 1977. SOYBEAN; SAFFLOWER LEGUMINOSAE: GLYCINE MAX; COMPOSITAE: CARTHAMUS TINCTORIUS POT, GREENHOUSE IRON CHELATE, CHLOROETHYL TRIMETHYLAMMONIUM CHLORIDE, CALCIUM, NITRATE, AMMONIUM, SULFATE, NITROGEN NITROGEN UPTAKE, VEGETATIVE GROWTH
245. FAWZY, S. E.; MOHAMED, N. A.; BARAKAT, M. A. THE EFFECT OF NITROGEN AND SALINITY LEVELS IN NUTRIENT SOLUTION ON GIZA 155 AND MEXICAN WHEAT VARIETIES. EGYPT. J. SOIL SCI. 17: 79-86. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SAND VARIETY, CALCIUM, NITRATE AMMONIUM, CHLORIDE, SODIUM GRAIN YIELD, STRAW YIELD, NITROGEN UPTAKE
246. FEINERMAN, E.; YARON, D.; BIELORAI, H. LINEAR CROP RESPONSE FUNCTIONS TO SOIL SALINITY WITH A THRESHOLD SALINITY LEVEL. WATER RESOURCES RESEARCH 18: 101-106. 1982. IRRIGATION METHOD, SALT TOLERANCE
247. FELKER, P.; CLARK, P. R.; LAAG, A. E.; PRATT, P. F. SALINITY TOLERANCE OF THE TREE LEGUMES: MESQUITE (PROSOPIS GLANDULOSA VAR. TORREYANA, P. VELUTINA AND P. ARTICULATA) ALGARROBO (P. CHILENSIS), KIAWE (P. PALLIDA) AND TAMARUGO (P. TAMARUGO) GROWN IN SAND CULTURE ON NITROGEN-FREE MEDIA. PLANT SOIL 61: 311-317. 1981. MESQUITE; ALGARROBA; KIAWE; TAMARUGO LEGUMINOSAE: PROSOPIS GLANDULOSA VAR TORREYANA, PROSOPIS VELUTINA, PROSOPIS ARTICULATA, PROSOPIS CHILENSIS, PROSOPIS PALLIDA, PROSOPIS TAMARUGO GREENHOUSE, SAND, POT SODIUM, CHLORIDE, NITROGEN, SEA WATER HEIGHT, SALT TOLERANCE
248. FERNANDO, L. H. THE PERFORMANCE OF SALT-RESISTANT PADDY, POKKALI IN CEYLON. TROP. AGRIC. 105: 124-127. 1949. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT SALINE SOIL GRAIN YIELD, SALT TOLERANCE
249. FERREIRO, E. A.; PEINEMANN, N. INFLUENCIA DE DISTINTOS IONES SOBRE AGROPYRON ELONGATUM. INFLUENCE OF DIFFERENT IONS ON "AGROPYRON ELONGATUM". (SPA; ENG SUM). REVISTA DE INVEST. AGRO., INTA, SERIE 2, BIOL. Y PROD. VEG. 9: 1-8. 1972. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM GREENHOUSE, GERMINATION DISHES CALCIUM, MAGNESIUM
250. FERRON, F.; COUDRET, A.; GAUDILLERE, J. P. EFFECT DE LA SALINITE DUMILIEU DE CULTURE SUR LES VOIES DE CARBOXYLATION D'UNE HALOPHYTE ET D'UNE GLYCOPHYTE (PLANTAGO LANCEOLATA L.) EFFECT OF THE GAMINACA MEDIUM SALINITY ON THE CARBOXYLATION METABOLIC-PATHWAYS IN A HALOPHYTE (PLANTAGO MARITIMA L. VAR GRAMINEA) AND IN A GLYCOPHYTE (PLANTAGO LANCEOLATA L.) (FRE; ENG SUM). C. R. HEBD SEANCES ACAD. SCI., SER. D. SCI. NAT. 285: 323-326. 1977. PLANTAGINACEAE: PLANTAGO MARITIMA, PLANTAGO LANCEOLATA SODIUM, CHLORIDE CARBON DIOXIDE FIXATION
251. FILHO, E. G.; PRISCO, J. T. EFFECTS OF NaCl SALINITY IN VIVO AND IN VITRO ON THE PROTEOLYTIC ACTIVITY OF VIGNA SINENSIS (L.) SAVI COTYLEDONS DURING GERMINATION. REVTA. BRASIL. BOT. 1: 83-88. 1978. COWPEA LEGUMINOSAE: VIGNA SINENSIS GERMINATION DISHES, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, ENZYME ACTIVITY, GERMINATION
252. FLOWERS, T. J.; HALL, J. L. SALT TOLERANCE IN THE HALOPHYTE, SUAEDA MARITIMA (L) DUM.; THE INFLUENCE OF THE SALINITY OF THE CULTURE SOLUTION ON THE CONTENT OF VARIOUS ORGANIC COMPOUNDS. ANN. BOT. 42: 1057-1063. 1978. SEA BLITE CHENOPODIACEAE: SUAEDA MARITIMA WATER CULTURE SODIUM, CHLORIDE GLUCOSE, FRUCTOSE, SUCROSE, AMINO ACID,

MALATE, SODIUM UPTAKE, POTASSIUM UPTAKE

253. FLOWERS, T. J.; TROKE, P. F.; YEO, A. R. THE MECHANISM OF SALT TOLERANCE IN HALOPHYTES. ANN. REV. PLANT PHYSIOL. 28:89-121. 1977.
254. FLOWERS, T. J.; YEO, A. R. VARIABILITY IN THE RESISTANCE OF SODIUM CHLORIDE SALINITY WITHIN RICE (ORYZA SATIVA L.) VARIETIES. NEW PHYTOL. 88: 363-373. 1981. RICE GRAMINEAE: ORYZA SATIVA GERMINATION DISH, TEST TUBE SODIUM, POTASSIUM, CHLORIDE SEEDLING GROWTH, EMERGENCE, SEEDLING EMERGENCE
255. FLUCKIGER, W.; BRAUN, S. PERSPECTIVES OF REDUCING THE DELETERIOUS EFFECT OF DE-ICING SALT UPON VEGETATION. PLANT SOIL 63: 527-529. 1981. CRANBERRY BUSH; PINE, AUSTRIAN CAPRIFOLIACEAE: VIBURNUM OPULUS; PINACEAE: PINUS NIGRA POT, SOIL SODIUM, CHLORIDE, SALINE SOIL ION UPTAKE, VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE
256. FOGLIATA, F. A.; ASO, P. J. THE EFFECTS OF SOIL SOLUBLE SALTS ON SUCROSE YIELD OF SUGAR CANE. PROC. 12TH CONGR. INTERN. SOC. SUGAR CANE TECHN. 682-694. 1965 SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD, SOIL SALINE SOIL SUCROSE, GLUCOSE
257. FOMISHYNA, R. M.; LOZOVA, H. I.; L'VIVS'KA, N. R. EFFECT OF SODIUM CHLORIDE ON THE LIPID COMPONENT OF SUGAR BEET LEAVES. (RUS; ENG SUM). UKR. BOT. ZH. 37: 43-46. 1980. BEET CHENOPODIACEAE: BETA VULGARIS SODIUM, CHLORIDE LIPID
258. FORNO, D. A.; ASHER, C. J.; EDWARDS, D. G. BORON NUTRITION OF CASSAVA, AND THE BORON X TEMPERATURE INTERACTION. FIELD CROPS RES. 2: 265-279. 1979. YUCA; CASSAVA; TAPIOCA EUPHORBIACEAE: MANIHOT ESCULENTA WATER CULTURE, POT TEMPERATURE, BORON, VARIETY BORON UPTAKE, VEGETATIVE GROWTH, ROOT GROWTH
259. FORTI, M.; BEN-DOV, J.; PASTERNAK, D. RECOMMENDED DROUGHT AND SALT-RESISTANT ORNAMENTAL PLANTS. RES. AND DEVELOP. AUTH., BEN-GURION UNIV. NEGEV. BGUN-RDA 132-77: 7 PP 1977 SHRUB
260. FOSTER, A. C.; MAUN, M. A. CONCENTRATION OF HIGHWAY DEICING AGENTS ALONG ROADSIDES NEAR LONDON. CAN. J. BOT. 56:1081-1085. 1978. CEDAR, EASTERN WHITE CUPRESSACEAE: THUJA OCCIDENTALIS FIELD, SOIL DEICING SALT, SODIUM, CALCIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, CALCIUM UPTAKE
261. FOSTER, A. C.; MAUN, M. A. EFFECT OF TWO RELATIVE HUMIDITIES ON FOLIAR ABSORPTION OF SODIUM CHLORIDE. CAN. J. PLANT SCI. 60: 763-766. 1980. ARBORVITAE, AMERICAN CUPRESSACEAE: THUJA OCCIDENTALIS POT, SOIL, GREENHOUSE, GROWTH CHAMBER SODIUM, CHLORIDE, DEICING SALT, RELATIVE HUMIDITY SODIUM UPTAKE, CHLORIDE UPTAKE
262. FOSTER, A. C.; MAUN, M. A. EFFECTS OF HIGHWAY DEICING AGENTS ON THUJA OCCIDENTALIS IN A GREENHOUSE. CAN. J. BOT. 56: 2760-2766. 1978. ARBORVITAE, AMERICAN CUPRESSACEAE: THUJA OCCIDENTALIS GREENHOUSE, POT, SOIL DEICING SALT, SODIUM, CHLORIDE, CALCIUM, SALT SPRAY SODIUM UPTAKE, CHLORIDE UPTAKE
263. FOSTER, R. C.; SANDS, R. RESPONSE OF RADIATA PINE TO SALT STRESS. II. LOCALIZATION OF CHLORIDE. AUST. J. PLANT PHYSIOL. 4:863-875. 1977. PINE, MONTEREY PINACEAE: PINUS RADIATA WATER CULTURE CALCIUM, SODIUM, CHLORIDE,

POLYETHYLENE GLYCOL CHLORIDE CONTENT

264. FOWLER, D. B. FALL GROWTH AND COLD ACCLIMATION OF WINTER WHEAT AND RYE ON SALINE SOILS. CAN. J. PLANT SCI. 61: 225-230. 1981. WHEAT; RYE GRAMINEAE: TRITICUM AESTIVUM, SECALE CEREALE SOIL, FIELD PLOT SALINE SOIL MINERAL COMPOSITION, SHOOT WEIGHT, CROWN DRY WEIGHT, CROWN MOISTURE, WATER CONTENT, COLD HARDINESS
265. FOWLER, D. B.; HAMM, J. W. CROP RESPONSE TO SALINE SOIL CONDITIONS IN THE PARKLAND AREA OF SASKATCHEWAN. CAN. J. SOIL SCI. 60: 439-449. 1980. RYE; WHEAT; BARLEY; OATS; MUSTARD; FLAX GRAMINEAE: SECALE CEREALE, TRITICUM AESTIVUM, HORDEUM VULGARE, AVENA SATIVA; CRUCIFERAE: BRASSICA CAMPESTRIS; LINACEAE: LINUM USITATISSIMUM VARIETY, SALINE SOIL VEGETATIVE GROWTH, PROTEIN CONTENT, OIL CONTENT, SEED YIELD
266. FOWLER, H. D. VARIATIONS IN SCOPOLETIN IN LEAVES IN RELATION TO CHLORIDE TREATMENT OF TOBACCO. NATURE 188: 1044-1045. 1960. TOBACCO SOLANACEAE: NICOTIANA TABACUM SAND, GREENHOUSE SODIUM, CHLORIDE SCOPOLETIN
267. FRANCIS, B. A.; CURTIS, C. R. EFFECT OF SIMULATED SALINE COOLING TOWER DRIFT ON TREE FOLIAGE. PHYTOPATHOLOGY 69: 349-353. 1979. PINE, JERSEY; TULIP TREE; PRIVET, CALIFORNIA; SPRUCE, NORWAY; ASH, WHITE; DOGWOOD, FLOWERING PINACEAE: PINUS VIRGINIANA, PICEA ABIES; MAGNOLIACEAE: LIRIODENDRON TULIPFERA; OLEACEAE: LIGUSTRUM OVALIFOLIUM, FRAXINUS AMERICANA; CORNACEAE: CORNUS FLORIDA FIELD PLOT, SOIL SALT SPRAY, SALINE WATER VISUAL SYMPTOMS, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE
268. FRANCOIS, L. E. ALFALFA MANAGEMENT UNDER SALINE CONDITIONS WITH ZERO LEACHING. AGRON. J. 73: 1042-1046. 1981. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GREENHOUSE, LYSIMETER, SOIL SODIUM, CHLORIDE, CALCIUM, LEACHING YIELD, SODIUM UPTAKE
269. FRANCOIS, L. E. SALT INJURY TO ORNAMENTAL SHRUBS AND GROUND COVERS. USDA HOME AND GARDEN BULLETIN NO. 231: 10P. 1980. SHRUB; TREE; GROUND COVER
270. FRANCOIS, L. E. SALT TOLERANCE OF EIGHT ORNAMENTAL TREE SPECIES. J. AMER. SOC. HORT. SCI. 107: 66-68. 1982. PINE, ITALIAN STONE; PEAR, EVERGREEN; GUM, SWEET; PLUM, CHERRY; MAGNOLIA, SOUTHERN; ORCHID TREE; MYRTLE, CRAPE; TULIP TREE PINACEAE: PINUS PINEA; ROSACEAE: PYRUS KAWAKAMII; HAMAMELIDACEAE: LIQUIDAMBER STYRACIFLUA; ROSACEAE: PRUNUS CERASIFERA; MAGNOLIACEAE: MAGNOLIA GRANDIFLORA, LIRIODENDRON TULIPIFERA; LEGUMINOSAE: BAUHINIA PURPUREA; LYTHRACEAE: LAGERSTROEMIA INDICA FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM LEAF INJURY, VEGETATIVE GROWTH, SALT TOLERANCE, MINERAL COMPOSITION
271. FRANCOIS, L. E.; CLARK, R. A. ACCUMULATION OF SODIUM AND CHLORIDE IN LEAVES OF SPRINKLER-IRRIGATED GRAPES J. AMER. SOC. HORT. SCI. 104:11-13. 1979. GRAPE VITACEAE: VITIS VINIFERA SOIL, POT SPRINKLER IRRIGATION, SODIUM, CALCIUM, CHLORIDE, SULFATE SODIUM UPTAKE, CHLORIDE UPTAKE
272. FRANCOIS, L. E.; CLARK, R. A. SALINITY EFFECTS ON YIELD AND FRUIT QUALITY OF VALENCIA ORANGE. J. AMER. SOC. HORT. SCI. 105: 199-202. 1980. ORANGE RUTACEAE: CITRUS SINENSIS SAND TANK CALCIUM, CHLORIDE, SODIUM, SULFATE, MAGNESIUM FRUIT YIELD, FRUIT MATURITY, MINERAL COMPOSITION, VEGETATIVE GROWTH, FRUIT QUALITY
273. FRANCOIS, L. E.; CLARK, R. A. SALT TOLERANCE OF ORNAMENTAL SHRUBS, TREES, AND ICEPLANT. J. AMER. SOC. HORT. SCI.

- 103: 280-283. 1978. ICEPLANT, CROCEUM; ICEPLANT, PURPLE; ICEPLANT, ROSEA; ICEPLANT, WHITE; SAGE, TEXAS; CHERRY, BRUSH; PINE, ALEPPO; PALM, EUROPEAN FAN; HAWTHORN, INDIAN; PINE, JAPANESE BLACK; STRAWBERRY TREE, COMPACT; YEW, SHRUBBY JAPANESE; ABELIA, GLOSSY; PHOTINIA; HOLLY, OREGON GRAPE; COTTONEASTER, PYRENEES ROSACEAE: RAPHILOLEPIS INDICA, PHOTINIA FRASERI, COTONEASTER CONGESTUS; SCROPHULARIACEAE: LEUCOPHYLLUM FRUTESCENS; MYRTACEAE: SYZYGium PANICULATUM; PINACEAE: PINUS HALEPENSIS, PINUS THUNBERGIANA; PALMAE: CHAMAEROPS HUMILIS; ERICACEAE: ARBUTUS UNEDO; PODOCARPACEAE: PODOCARPUS MACROPHYLLUS; CAPRIFOLIACEAE: ABELIA GRANDIFLORA; BERBERIDACEAE: MAHONIA AQUIFOLIUM; AZOACEAE: HYMNOCYCLUS CROCEUS, LAMPRANTHUS PRODUCTUS, DROSANTHEMUM HISPIDUM, DELOSPERMA ALBA FIELD PLOT, SOIL SODIUM, CALCIUM, CHLORIDE LEAF INJURY, CHLORIDE UPTAKE, SODIUM UPTAKE, SALT TOLERANCE
274. FRANKE, G. ZUM EINSATZ VON WACHSTUMSREGULATOREN BEI NUTZPFLANZEN DER TROPEN UND SUBTROPEN. THE USE OF GROWTH REGULATORS IN TROPICAL AND SUBTROPICAL CROPS. (GER; ENG SUM.) TAGUNGSBERICHT. AKADEMIE DER LANDWIRTSCHAFTSWISSENSCHAFTEN DER DEUTSCHEN DEMOKRATISCHEN REPUBLIK. 179: 25-33. 1980. PINEAPPLE BROMELIACEAE: ANANAS COMOSUS; EUPHORBACEAE: HEVEA BRASILIENSIS OSMOTIC ACTIVITY, ION UPTAKE
275. FRANKE, G.; HASSANEIN, A. EL-H. ZUM EINFLUSS VON GS, CCC, MH, UND NES AUF KEIMUNG UND JUGENDENTWICKLUNG VON ZEA MAYS L. BEI UNTERSCHIEDLICHER NACL SUBSTRATVERSALZUNG. ON THE INFLUENCE OF GS, CCC, MH, AND NES GROWTH REGULATORS ON THE GERMINATION AND INITIAL DEVELOPMENT OF ZEA MAYS L. AT DIFFERENT NACL SUBSTRATE SALTING. (GER) BEITR. TROP LANDWIRTSCH VETERINAR 14: 361-367. 1976. CORN GRAMINEAE: ZEA MAYS POT, SOIL SODIUM, CHLORIDE, GIBBERELIC ACID, (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, NAPHTHALENEACETIC ACID, MALEIC HYDRAZIDE GERMINATION, SEEDLING GROWTH
276. FROTA, J. N. E.; TUCKER, T. C. SALT AND WATER STRESS INFLUENCES NITROGEN METABOLISM IN RED KIDNEY BEANS. SOIL SCI. SOC. AMER. J. 42: 743-746. 1978. BEAN, RED KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS GROWTH CHAMBER SODIUM, CHLORIDE, POLYETHYLENE GLYCOL NITRATE UPTAKE, PROTEIN NITROGEN, AMINO ACID, AMMONIUM UPTAKE, SOLUBLE NITROGEN
277. FUHRER, J.; ERISMANN, K. H. TOLERANCE OF AESCULUS-HIPPOCASTANUM TO FOLIAR ACCUMULATION OF CHLORIDE AFFECTED BY AIR POLLUTION. ENVIRON. POLLUT. SER. A ECOL. BIOL. 21: 249-254. 1980. BUCKEYE; CHESTNUT, HORSE HIPPOCASTANACEAE: AESCULUS HIPPOCASTANUM SOIL CARBON MONOXIDE, NITROGEN DIOXIDE CHLORIDE CONTENT
278. FUHRER, J.; ERISMANN, K. H. UPTAKE OF NITROGEN DIOXIDE BY PLANTS GROWN AT DIFFERENT SALINITY LEVELS. EXPERIENTIA 36: 409-410. 1980 BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE, POT SODIUM, CHLORIDE, NITRATE NITRITE UPTAKE, LEAF DIFFUSION RESISTANCE
279. GABR, A. I.; EL-ASHKAR, S. A. THE EFFECT OF DIFFERENT COMBINATIONS OF SOIL SALINITY AND CCC ON DRY MATTER ACCUMULATION AND YIELD OF COTTON PLANTS. BIOL. PLANT. 19: 391-393. 1977. COTTON MALVACEAE: GOSSYPIUM BARBADENSE POT, SOIL CHLORIDE, (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE LINT YIELD
280. GABR, A. I.; SHARAKY, M. M.; EL-ASHKAR, S. A. THE COMBINED EFFECT OF SOIL SALINITY AND CCC ON DRY MATTER ACCUMULATION AND YIELD OF WHEAT PLANTS. BIOL. PLANT. 19:101-106. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL, GREENHOUSE (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, MAGNESIUM, CALCIUM, SODIUM, SULFATE, CARBONATE, CHLORIDE GRAIN YIELD, GRAIN WEIGHT
281. GABR, A. I.; SHARAKY, M. M.; EL-KADI, M.; EL-ASHKAR, S. A. COMBINED EFFECT OF SOIL SALINITY AND CCC ON OSMOTIC PRESSURE AND CONTENTS OF WATER FRACTIONS IN WHEAT AND COTTON LEAVES. I. CHANGES IN OSMOTIC PRESSURE. Z. ACKER. PFLANZENBAU. 144: 141-174. 1977. WHEAT; COTTON GRAMINEAE: TRITICUM AESTIVUM; MALVACEAE: GOSSYPIUM BARBADENSE

GREENHOUSE, POT, SOIL (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, MAGNESIUM, SODIUM, CALCIUM, SULFATE, CHLORIDE, CARBONATE CELL SAP CONCENTRATION, OSMOTIC PRESSURE

282. GABR, A. I.; SHARAKY, M. M.; EL-KADI, M.; EL-ASHKAR, S. A. THE COMBINED EFFECT OF SOIL SALINITY AND CCC ON OSMOTIC PRESSURE AND CONTENTS OF WATER FRACTIONS IN WHEAT AND COTTON LEAVES. II. CHANGES IN CONTENTS OF WATER FRACTIONS. Z. ACKER PFLANZENBAU. 144: 148-156. 1977. WHEAT; COTTON GRAMINEAE: TRITICUM AESTIVUM; MALVACEAE: GOSSYPIUM BARBADENSE GREENHOUSE, POT, SOIL (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE, MAGNESIUM, SODIUM, CALCIUM, SULFATE, CHLORIDE, CARBONATE WATER CONTENT
283. GANDHI, A. P.; PALIVAL, K. V. EFFECT OF DIFFERENT QUALITY IRRIGATION WATERS AND SOIL TEXTURE ON THE YIELD AND UPTAKE OF NUTRIENTS BY WHEAT. PROC. INDIAN NATL. SCI. ACAD. 41: 440-451. 1975. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT SALINE WATER, WATER QUALITY, SODIUM ADSORPTION RATIO VEGETATIVE GROWTH, YIELD, MINERAL COMPOSITION
284. GARCIA, M.; MORARD, P. INFLUENCE DU CHLORURE DE SODIUM SUR LA COMPOSITION EN ACIDES ORGANIQUES DU ORGO-GRAIN. EFFECT OF SODIUM CHLORIDE ON ORGANIC ACID CONTENT OF SORGHUM GRAIN. (FRE; ENG SUM). AGROCHIMICA 23: 103-111. 1979. SORGHUM GRAMINEAE: SORGHUM DOCHNA WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, ORGANIC ACID, MALIC ACID, CITRIC ACID, ACONITIC ACID
285. GARG, B. K.; GARG, O. P. EFFECT OF SODIUM CARBONATE AND BI-CARBONATE ON SEED GERMINATION. GEOBIOS. 8: 31-33. 1981. PEA; BEAN, MUNG; CORN LEGUMINOSAE: PISUM SATIVUM, PHASEOLUS AUREUS; GRAMINEAE: ZEA MAYS GERMINATION DISHES, GROWTH CHAMBER SODIUM GERMINATION, YIELD
286. GARG, B. K.; GARG, O. P. SALINITY AND PLANT NUTRITION EFFECT OF SODIUM CARBONATE AND SODIUM BICARBONATE ON THE GROWTH AND ABSORPTION OF ESSENTIAL MACRO-NUTRIENTS AND SODIUM IN PEA (PISUM-SATIVUM L.). PROC. INDIAN NATL. SCI. ACAD. 46B: 694-698. 1980. PEA LEGUMINOSAE: PISUM SATIVUM POT, SAND SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CALCIUM UPTAKE
287. GARG, B. K.; GARG, O. P. SODIUM CARBONATE AND BICARBONATE INDUCED CHANGES IN GROWTH, CHLOROPHYLL, NUCLEIC ACIDS AND PROTEIN CONTENTS IN LEAVES OF PISUM SATIVUM. PHOTOSYNTHETICA 14: 594-598. 1980. PEA LEGUMINOSAE: PISUM SATIVUM SAND, POT SODIUM CHLOROPHYLL, VEGETATIVE GROWTH, NUCLEIC ACID, PROTEIN, AMINO ACID, PROLINE
288. GEORGIEV, M.; SPASENOVSKI, M. EFFECT OF SOIL SALTING WITH NA CL AND NA2SO4 ON DRY MATTER PRODUCTION AND MINERAL PRODUCTION AND MINERAL CONTENT OF PEA PLANTS "M PROANSALEC" (MAC; ENG SUM) GOD. ZB. BIOL. SKOPJE UNIV. BIOL. FAK. 30:171-178. 1977. PEA LEGUMINOSAE: PISUM SATIVUM POT, SOIL SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION
289. GERARD, C. J. ROOT GROWTH ALONG PLEXIGLAS SURFACES BY SUGARCANE UNDER DIFFERENT SOIL SALINITY CONDITIONS AGRON. J. 70:639-643. 1978 SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, ROOT CHAMBERS CALCIUM, MAGNESIUM, SODIUM ROOT GROWTH, VEGETATIVE GROWTH
290. GERGELY, I.; KORCAK, R. F.; FAUST, M. POLYETHYLENE GLYCOL INDUCED WATER STRESS EFFECT ON APPLE SEEDLINGS. II. CALCIUM UPTAKE. J. AM. SOC. HORT. SCI. 105: 858-861. 1980. APPLE ROSACEAE: MALUS PUMILA WATER CULTURE POLYETHYLENE GLYCOL, UREA CALCIUM UPTAKE, WATER USE, VEGETATIVE GROWTH, POTASSIUM UPTAKE

291. GERGELY, I.; KORCAK, R. F.; FAUST, M. POLYETHYLENE GLYCOL INDUCED WATER STRESS EFFECTS ON APPLE SEEDLINGS. I. METHODOLOGY, WATER CONSUMPTION AND DRY MATTER PRODUCTION. J. AMER. SOC. HORT. SCI. 105: 854-857. 1980. APPLE ROSACEAE: MALUS PUMILA SOIL, WATER CULTURE, GREENHOUSE POLYETHYLENE GLYCOL WATER USE, VEGETATIVE GROWTH, TRANSPIRATION RATE, OSMOTIC PRESSURE
292. GHANDI, S. C.; MEHTA, B. V. STUDIES ON BORON DEFICIENCY AND TOXICITY SYMPTOMS IN SOME COMMON CROPS OF GUJARAT. INDIAN J. AGR. SCI. 29: 63-70. 1959. BEAN, HYACINTH; GUAR; TOBACCO; ONION; MILLET, PEARL LEGUMINOSAE: DOLICHOS LABLAB, CYAMOPSIS TETRAGONOLOBUS; SOLANACEAE: NICOTIANA TABACUM; AMARYLLIDACEAE: ALLIUM CEPA; GRAMINEAE: PENNISETUM AMERICANUM SAND, POT BORON BORON TOXICITY, BORON DEFICIENCY
293. GHARSALLI, M.; CHERIF, A. ACTION DU CHLORURE DE SODIUM SUR LA CROISSANCE ET AL TENEUR EN LIPIDES DE PLANTS DE TOURNESOL (HELIANTHUS ANNUUS L.) EFFECT OF SODIUM CHLORIDE ON THE GROWTH AND THE LIPID CONTENT OF SUNFLOWER (HELIANTHUS ANNUUS L.) PLANTS. (FRE; ENG SUM). PHYSIOL. VEG. 17: 215-229. 1979. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS WATER CULTURE, GERMINATION DISHES, SAND, POT SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, ROOT GROWTH, LINOLENIC ACID, STEM ELONGATION, LIPID
294. GIBEAULT, V. A.; HANSON, D.; LANCASTER, D.; JOHNSON, E. FINAL RESEARCH REPORT--COOL SEASON VARIETY STUDY IN HIGH SALT LOCATION. CALIF. TURFGRASS CULT. 27: 11-12. 1977. BLUEGRASS, KENTUCKY; BENTGRASS, COLONIAL; RYEGRASS, PERENNIAL; FESCUE, RED GRAMINEAE: POA PRATENSIS, AGROSTIS TENUIS, LOLIUM PERENNE, FESTUCA RUBRA FIELD VARIETY, SALINE SOIL
295. GILLIAM, C. H.; SMITH, E. M. SOURCES AND SYMPTOMS OF BORON TOXICITY IN CONTAINER GROWN WOODY ORNAMENTALS. J. ARBORIC. 6: 209-212. 1980. YEW; RHODODENDRON TAXACEAE: TAXUS MEDIA; ERICACEAE: RHODODENDRON BORON
296. GILLIAM, C. H.; SMITH, E. M.; STILL, S. M.; SHEPPARD, W. J. TREATING BORON TOXICITY IN RHODODENDRON CATAWBIENSE. HORTSCIENCE 16: 764-765. 1981. RHODODENDRON ERICACEAE: RHODODENDRON CATAWBIENSE GREENHOUSE, POT BORON CHLOROSIS, NECROSIS, LEAF INJURY
297. GILLIAM, C. H.; WATSON, M. E. BORON ACCUMULATION IN TAXUS MEDIA. HORTSCIENCE 16: 340-341. 1981. YEW TAXACEAE: TAXUS MEDIA SOIL, POT, GREENHOUSE BORON VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, BORON UPTAKE, MINERAL COMPOSITION
298. GILLIAM, C. H.; WATSON, M. E.; SMITH, E. M. BORON TOXICITY IN WOODY ORNAMENTALS. OHIO AGRIC. RES. DEV. CENT. RES. CIRC. 29-31. 1981. YEW TAXACEAE: TAXUS MEDIA SOIL, POT, GREENHOUSE BORON MINERAL COMPOSITION, BORON UPTAKE
299. GILMOUR, J. T. SALINITY DAMAGE TO RICE SEEDLINGS. BETTER CROPS WITH PLANT FOOD. 44: 13-15. 1981. RICE GRAMINEAE: ORYZA SATIVA POTASSIUM, SODIUM, CHLORIDE, SALINE SOIL YIELD
300. GISLEROD, H. R.; SELMER-OLSEN, A. R. THE RESPONSES OF CHRYSANTHEMUM TO VARIATIONS IN SALT CONCENTRATION WHEN GROWN IN RECIRCULATED NUTRIENT SOLUTION. ACTA. HORTIC. 98: 201-210. 1980. CHRYSANTHEMUM COMPOSITAE: CHRYSANTHEMUM GREENHOUSE, POT SODIUM, CHLORIDE HEIGHT, VEGETATIVE GROWTH

301. GLEBOVA, E. N. THE EFFECT OF CHLORIDE SALTING ON SWELLING OF SOME GRASS SEED. (RUS). KAB.-BALKARSKII GOS. UNIV. SBORN. NAUCH. RABOT. ASPIR. NAL'CHIK 3: 111-123. 1972. MILLET; SORGHUM; SUDAN GRASS; BARLEY; WHEAT GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, PANICUM MILIACEUM, SORGHUM, SORGHUM SUDANENSE SODIUM, CHLORIDE SEED SWELLING
302. GLENN, E. P.; FONTES, M. R.; KATZEN, S.; COLVIN, L. B. NUTRITIONAL VALUE OF HALOPHYTES GROWN ON HYPERSALINE SEAWATER. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 485-489. 1982. HALOPHYTE; ATRIPLEX CHENOPODIACEAE: ATRIPLEX, SALICORNIA FIELD PLOT SEA WATER SODIUM UPTAKE, ANIMAL FEED QUALITY
303. GLENN, E. P.; FONTES, M. R.; YENSEN, N. P. PRODUCTIVITY OF HALOPHYTES IRRIGATED WITH HYPERSALINE SEAWATER IN THE SONORAN DESERT. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 491-494. 1982. HALOPHYTE; ATRIPLEX CHENOPODIACEAE: ATRIPLEX, SALICORNIA; GRAMINEAE: SPARTINA ALTERNIFLORA; BATIDACEAE: BATIS MARITIMA FIELD PLOT, GREENHOUSE SEA WATER, IRRIGATION FREQUENCY VEGETATIVE GROWTH
304. GOAS, G.; GOAS, M.; LARHER, F. ACCUMULATION OF FREE PROLINE AND GLYCINE BETAINE IN ASTER TRIPOLIUM SUBJECTED TO SALINE SHOCK: A KINETIC STUDY RELATED TO LIGHT PERIOD. PHYSIOL. PLANT. 55: 383-388. 1982. COMPOSITAE: ASTER TRIPOLIUM GROWTH CHAMBER, GERMINATION DISHES SODIUM, CHLORIDE, LIGHT PROLINE, GLYCINE
305. GOELL, A.; E-RAIS, M.; EL-WAHIDI, A. USE OF HIGHLY-SALINE WATER IN CITRUS IRRIGATION. IN: MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINIY CONF., TEXAS TECH. UNIV., AUGUST 1976: 236-245. 1976. ORANGE RUTACEAE: CITRUS SINENSIS FIELD, SOIL SALINE WATER, CHLORIDE VEGETATIVE GROWTH, FRUIT YIELD, FRUIT WEIGHT
306. GOLDNER, R.; UMIEL, N.; CHEN, Y. THE GROWTH OF CARROT CALLUS CULTURES AT VARIOUS CONCENTRATIONS AND COMPOSITION OF SALINE WATER. Z. PFLANZENPHYSIOL. 85: 307-317. 1977. CARROT UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA GROWTH MEDIUM (KINETIN, NAA) SEA WATER, SODIUM, POTASSIUM, MAGNESIUM, CALCIUM, CHLORIDE, SULFATE, BORON, MANNITOL VEGETATIVE GROWTH, CALLUS GROWTH
307. GONCHARIK, M. N.; LEGENCHENKO, B. I.; IALANOVA, K. S. DOROZHKOVA, L. N. PHOTOSYNTHESIS AND WATER REGIME OF THE POTATO PLANT IN RELATION TO EXCESSIVE AMOUNTS OF CL IN THE SOIL. (UKR). IZV. AKAD. NAUK. BELORUS, SSR (SER. BIOL. NAUK) : 82-87. 1968. POTATO SOLANACEAE: SOLANUM TUBEROSUM CHLORIDE PHOTOSYNTHESIS
308. GONZALEZ, M. A.; LOPEZ, C. A.; CARVAJAL, J. F.; BRICENO, J. A. EFECTO DE LA FUENTE DE POTASIO EN EL ACUMULAMIENTO DE CLORUROS Y SULFATOS EN EL CAFETO. THE EFFECT OF POTASSIUM SOURCES ON THE ACCUMULATION OF CHLORIDE AND SULFATES IN COFFEE TREES. (SPA; ENG SUM). AGRON. COSTARRIC 1: 31-37. 1977. COFFEE TREE RUBIACEAE: COFFEA FIELD, SOIL POTASSIUM, SULFATE, CHLORIDE CHLORIDE UPTAKE, SULFATE UPTAKE, POTASSIUM UPTAKE
309. GOODIN, J. R. SALINITY EFFECTS ON RANGE PLANTS. IN: RANGELAND PLANT PHYSIOLOGY, R. E. SOSEBEE, ED., SOC. RANGE MGMT., RANGE SCIENCE SERIES NO. 4, : 141-153. 1977.
310. GOODIN, J. R. SALINITY RELATIONS IN SHRUBS. PROC. SYMPOSIUM AND WORKSHOP WILDLAND SHRUBS, PROVO, UTAH. NOV. 1975: 1-31. 1975. NATIVE VEGETATION
311. GOPAL, G. R.; RAO, G. R. LIPID METABOLISM OF GROUNDNUT (ARACHIS HYPOGAEA L.) SEEDLINGS INFLUENCED BY SALINIY. Z.

- PFLANZENPHYSIOL. 106: 1-14. 1982. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES SODIUM, CHLORIDE, SULFATE GERMINATION, LIPID
312. GOPAL, N. H. PHYSIOLOGICAL STUDIES ON GROUNDNUT PLANTS WITH BORON TOXICITY. 5. EFFECT ON BORON AND IRON DISTRIBUTION. TURRIALBA 26: 288-294. 1976. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SAND, POT BORON BORON UPTAKE, IRON UPTAKE
313. GOSWAMI, N. N.; GOEL, S. K.; DRAVID, M. S. SALT TOLERANCE OF WHEAT (KALYANSONA AND SONALIKA) AS INFLUENCED BY FERTILIZER APPLICATION. SCI. CULT. 43: 439. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM VARIETY, NITROGEN, PHOSPHORUS, POTASSIUM YIELD
314. GOSWAMI, S.; GEHLOT, C. L. A NOTE ON SALT TOLERANCE OF DIFFERENT VARIETIES OF SAFFLOWER (CARTHAMUS TINCTORIUS L.) AT GERMINATION. MADRAS AGRIC. J. 65: 137-138. 1978. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS GERMINATION DISHES SODIUM, CHLORIDE GERMINATION
315. GRANDIN, M. ACTION DU NaCl ET DE LA SATURATION EN EAU DU SOL SUR LE DEVELOPPEMENT ET LES TENEURS EN GLUCIDES, MINERAUX ET NA DE GLAUX MARITIMA L. INFLUENCE OF NaCl AND SOIL WATER SATURATION ON DEVELOPMENT AND CARBOHYDRATE, MINERAL ELEMENTS AND NA CONTENT OF GLAUX MARITIMA L. (FRE; ENG SUM) OECOL. PLANT. 2: 23-29. 1981. SEA-MILKWORT PRIMULACEAE: GLAUX MARITIMA SOIL SODIUM, CHLORIDE SUCROSE, SUGAR, STARCH, BUD FORMATION, CARBOHYDRATE, SODIUM UPTAKE
316. GRATTAN, S. R.; MAAS, E. V.; OGATA, G. FOLIAR UPTAKE AND INJURY FROM SALINE AEROSOL. J. ENVIRON. QUAL. 10: 406-409. 1981. PEPPER; SOYBEAN; TOMATO SOLANACEAE: CAPSICUM ANNUUM; LEGUMINOSAE: GLYCINE MAX; SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, POT, SOIL SODIUM, CHLORIDE, CALCIUM SODIUM UPTAKE, CHLORIDE UPTAKE
317. GREENWAY, H.; MUNNS, R. MECHANISMS OF SALT TOLERANCE IN NONHALOPHYTES. ANN. REV. PLANT PHYSIOL. 31: 149-190. 1980.
318. GREUB, L. J.; DROLSOM, P. N.; ROHWEDER, D. A. SALT TOLERANCE OF SELECTED GRASS SPECIES AND CULTIVARS. WISC. COLL. AGRIC. LIFE SCI. RES. BULL. NO. 3023; 27 PP. 1979. FESCUE, TALL; FESCUE, CHEWINGS; FESCUE, RED; ALKALI GRASS, NUTTALL; QUACK GRASS; BLUEGRASS, KENTUCKY; BENTGRASS GRAMINEAE: FESTUCA ARUNDINACEAE, FESTUCA RUBRA, PUCCINELLIA AIROIDES, AGROPYRON REPENS, POA PRATENSIS, AGROSTIS PALUSTRIS GREENHOUSE, SOIL PHOSPHORUS, SODIUM, CHLORIDE, DEICING SALT VEGETATIVE GROWTH, CHLORIDE UPTAKE
319. GRIEVE, A. M.; PITMAN, M. G. SALINITY DAMAGE TO NORFOLK ISLAND PINES CAUSED BY SURFACTANTS. III. EVIDENCE FOR STOMATAL PENETRATION AS THE PATHWAY OF SALT ENTRY TO LEAVES. AUST. J. PLANT PHYSIOL. 5: 397-413. 1978. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA SOIL, POT SODIUM, CHLORIDE, SALT SPRAY, SEA WATER SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE
320. GRIEVE, A. M.; PITMAN, M. G. THE CONDITION OF NORFOLK ISLAND PINES ON THE ADELAIDE BEACHFRONT SEARCH 7:275-276. 1976. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA FIELD SALT SPRAY CHLORIDE UPTAKE, SODIUM UPTAKE, VISUAL SYMPTOMS
321. GUERRIR, G. G. INFLUENCE DE DIFFERENTES SALINITES (SELS DE SODIUM ET SELS DE CHLORURE) SUR LA GERMINATION DE RAPHANUS

- SATIVUS. INFLUENCE OF DIFFERENT SALINITIES (SALTS OF SODIUM AND CHLORIDE) ON THE GERMINATION OF RAPHANUS SATIVUS. (FRE; ENG SUM). PLANT SOIL 61: 457-469. 1981. RADISH CRUCIFERAE: RAPHANUS SATIVUS GERMINATION DISHES SODIUM, CHLORIDE GERMINATION
322. GUILLEN, M. G.; CARO, M.; FERNANDEZ, F. G.; CERDA, A. FOLIAR COMPOSITION OF CITRUS SEEDLING IRRIGATED WITH SALINE WATERS COMMUN, SOIL SCI. PLANT ANAL. 9:595-606. 1978. ORANGE, SOUR; ORANGE, MANDARIN; ALENOW; CITRANGE; MANDARIN, KINNOW RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS MACROPHYLLA CITRUS TAIWANICA CITRUS NOBILIS LOUREIRO X CITRUS DELICIOSA TENORE, PONCIRUS TRIFFOLIATE X CITRUS SINENSIS GREENHOUSE SODIUM, CHLORIDE MINERAL COMPOSITION
323. GUJARATHI, B. G.; KARADGE, B. A.; CHAVAN, P. D. EFFECT OF SALINITY ON GERMINATION OF ARACHIS HYPOGAEA L. GEOBIOS. 8: 273-275. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES SODIUM, CHLORIDE GERMINATION, OSMOTIC POTENTIAL, ROOT GROWTH, SHOOT GROWTH, CATALASE ACTIVITY, PEROXIDASE ACTIVITY
324. GUNewardena, I. SCREENING FOR RESISTANCE TO SALINITY AND IRON TOXICITY IN SRI LANKA. INTERNATIONAL RICE CONFERENCE PAPERS. LOS BANOS, PHILLIPINES. APRIL 21-24. 1975. RICE GRAMINEAE: ORYZA SATIVA SALINE WATER
325. GUPTA, I. C. THE EFFECT OF IRRIGATION WITH HIGH-SODIUM WATERS ON SOIL PROPERTIES AND THE GROWTH OF WHEAT. INTERNATIONAL SYMPOSIUM, SALT-AFFECTED SOILS, INDIA. 382-388. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, LYSIMETER SODIUM, CALCIUM, CHLORIDE SODIUM CARBONATE
326. GUPTA, I. C. PLANT GROWTH UNDER SALINE WATER IRRIGATION. IN: USE OF SALINE WATER IN AGRICULTURE IN ARID AND SEMI-ARID ZONES OF INDIA, CHAP 6: 129-158. 1979.
327. GUPTA, J. P.; SETH, J. EFFECT OF DIFFERENT RATES AND METHODS OF N AND P APPLICATION ON DRY MATTER ACCUMULATION AND UPTAKE OF PLANT NUTRIENTS BY WHEAT UNDER SALINE CONDITIONS. INDIAN J. AGRON. 23: 275-277. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL PHOSPHORUS, NITROGEN, UREA NITROGEN UPTAKE, PHOSPHORUS UPTAKE, VEGETATIVE GROWTH, GRAIN YIELD
328. GUPTA, U. S. CROP RESPONSE TO SOIL SALINITY AND SODICIY. IN: PHYSIOLOGICAL ASPECTS OF CROP NUTRITION AND RESISTANCE. (U. S. GUPTA ED.):311-360. 1977.
329. GUPTA, U. S. GENETIC AND BREEDING ASPECTS OF SALT TOLERANCE IN PLANTS. CURR. AGRIC. 2: 1-6. 1978. MILLET, PEARL; RICE; WHEAT GRAMINEAE: PENNISETUM AMERICANUM, ORYZA SATIVA, TRITICUM AESTIVUM SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, CHLORIDE UPTAKE
330. GUPTA, U. S. STUDIES IN THE PHYSIOLOGY OF TOBACCO. IX. EFFECTS OF SODIUM BICARBONATE ON GROWTH, YIELD AND PHYSIOLOGY OF TOBACCO K-49. J. SCI. RES., B. H. U. 13:51-59. 1962. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND SODIUM, BICARBONATE ROOT GROWTH, VEGETATIVE GROWTH, FLOWERING, SEED YIELD, SEED WEIGHT, OXYGEN UPTAKE, TRANSPIRATION
331. GUPTA, U.; RAMAKRISHNAN, P. S. THE EFFECT OF ADDED SALT ON COMPETITION BETWEEN TWO ECOTYPES OF CYNODON DACTYLON (L.) PERS. PROC. INDIAN ACAD. SCI. SEC. 86B: 275-280. 1977. BERMUDA GRASS GRAMINEAE: CYNODON DACTYLON POT, SOIL

SODIUM, SULFATE, CHLORIDE, POTASSIUM, BICARBONATE VEGETATIVE GROWTH

332. GURURAJA, R. G.; RAJESWARA, R., G. SALINITY INDUCED CHANGES IN KETOACIDS IN THE LEAVES OF PIGEON PEA. INDIAN J. EXP. BIOL. 16:270-271. 1978. PEA, PIGEON LEGUMINOSAE: CAJANUS CAJAN POT, SOIL SODIUM, CHLORIDE KETOACIDS
333. GUSEINOVA, S. G.; AZIZBEKOVA, Z. S. EFFECTS OF NUTRITION ON SOME ASPECTS OF PHOSPHORUS METABOLISM IN PLANTS UNDER DIFFERENT CONDITONS OF SALINITIION (RUS.) IZV. AKAD. NAUK. AZ. SSR BIOL. NAUK. 5: 3-8. 1976. COTTON MALVACEAE: GOSSYPIUM WATER CULTURE, POT CARBONATE, SULFATE, CHLORIDE ORGANIC PHOSPHATES
334. GUTTORMSEN, G. LEACHING OF ROOT MEDIA FOR GREENHOUSES. THE EFFECT OF SALINITY ON GERMINATION AND GROWTH OF SEEDLINGS. (NOR; ENG SUM) RES. NORW. AGRIC. 27: 567-580. 1976. CUCUMBER; PAPRIKA; LETTUCE; TOMATO CUCURBITACEAE: CUCUMIS SATIVUS; SOLANACEAE: CAPSICUM ANNUUM, LYCOPERSICON ESCULENTUM; COMPOSITAE: LACTUCA SATIVA SOIL, PEAT LEACHING GERMINATION, SEEDLING GROWTH
335. HADAS, A. WATER UPTAKE AND GERMINATION OF LEGUMINOUS SEEDS UNDER CHANGING EXTERNAL WATER POTENTIAL IN OSMOTIC SOLUTIONS. J. EXPTL. BOT. 27: 480-489. 1976. PEA, CHICK; BEAN, BROAD LEGUMINOSAE: CICER ARIETINUM, VICIA FABA TEST TUBE, WATER CULTURE POLYETHYLENE GLYCOL GERMINATION, WATER UPTAKE
336. HADJI, M. COMPORTEMENT ECO-PHYSIOLOGIQUE DU LAURIER-ROSE (NERIUM OLEANDER) EN MILIEU SALE. ECO-PHYSIOLOGIC BEHAVIOR OF THE OLEANDER (NERIUM OLEANDER) IN A SALTY SOIL (FRE; ENG SUM). OEOL. PLANT. 13:59-74. 1978. OLEANDER APOCYNACEAE: NERIUM OLEANDER WATER CULTURE SODIUM, CHLORIDE SODIUM UPTAKE, CHLORIDE UPTAKE, TRANSPIRATION
337. HAINES, B. L.; DUNN, E. L. GROWTH AND RESOURCE ALLOCATION RESPONSES OF SPARTINA ALTERNIFLORA LOISEL TO THREE LEVELS OF NH₄-N, FE, AND NACL IN SOLUTION CULTURE. BOT. GAZ. 137: 224-230. 1976. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, IRON, AMMONIA HEIGHT, SHOOT GROWTH, ROOT GROWTH, VEGETATIVE GROWTH
338. HAJJI, M. EFFETS DU SEL SUR LA CROISSANCE ET L'ALIMENTATION MINERALE DU LAURIER-ROSE. EFFECT OF SALT ON THE GROWTH AND MINERAL NUTRITION OF THE ROSE LAUREL. (FRE; ENG SUM.) PHYSIOL. VEG. 17: 517-524. 1979. OLEANDER APOCYNACEAE: NERIUM OLEANDER POT, WATER CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, CALCIUM UPTAKE, POTASSIUM UPTAKE
339. HAJRASULIHA, S. ACCUMULATION AND TOXICITY OF CHLORIDE IN BEAN PLANTS. PLANT SOIL 55: 133-138. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE, POT, GREENHOUSE SODIUM, CHLORIDE, AMMONIUM, SULFATE YIELD, ION CONTENT
340. HALLSWORTH, E. G. THE USE OF SALINE GROUNDWATER IN ARID AREAS. EXP. AGRIC. 17: 145-147. 1981. BEEFWOOD; GUM, MURRAY RED CASUARINACEAE: CASUARINA GLAUCA; MYRTACEAE: EUCALYPTUS CAMALDULENSIS FIELD SALINE WATER GROWTH RATE
341. HALVORSON, H. A.; REULE, C. A. ALFALFA FOR HYDROLOGIC CONTROL OF SALINE SEEPS. SOIL SCI. SOC. AM. J. 44: 370-374. 1980. ALFALFA; OATS; WHEAT; WHEATGRASS, TALL; FESCUE, TALL LEGUMINOSAE: MEDICAGO SATIVA; GRAMINEAE: AVENA SATIVA, TRITICUM AESTIVUM, AGROPYRON ELONGATUM, FESTUCA ELATIOR GREENHOUSE, POT, SOIL, FIELD PLOT SODIUM,

CHLORIDE, BICARBONATE, NITRATE, MAGNESIUM YIELD

342. HAMED, A. S.; KHALED, G. M.; HELAL, H. M.; SITOBY, M. Z. EFFECT OF SODIUM CHLORIDE SALINITY ON THE BIOSYNTHESIS OF AMINO ACIDS OF PLANT SEEDLINGS ANN. AGRIC. SCI. 8:177-185. 1977. COTTON; CORN; BARLEY GRAMINEAE: ZEA MAYS, HORDEUM VULGARE; MALVACEAE: GOSSYPIUM BARBADENSE SAND SODIUM, CHLORIDE AMINO ACID, GLUTAMIC ACID, ASPARTIC ACID, GLYCINE, ALANINE, TYROSINE, ARGININE, LEUCINE, PHENYL-ALANINE
343. HAMZA, M. RESPONSES DES VEGETAUX A LA SALINITE. RESPONSES OF PLANTS TO SALINITY. (FRE; ENG SUM). PHYSIOL. VEG. 18: 69-81. 1980. WATER BALANCE, MEMBRANES, ENZYME, HORMONES
344. HANDLEY, J. F.; JENNINGS, D. H. THE EFFECT OF IONS ON GROWTH AND LEAF SUCCULENCE OF ATRIPLEX HORTENSIS VAR. CUPREATA. ANN. BOT. 41:1109-1112. 1977. ORACH CHENOPODIACEAE: ATRIPLEX HORTENSIS CV CUPREATA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, POTASSIUM, MAGNESIUM, CALCIUM WATER CONTENT
345. HANKS, R. J.; ASHCROFT, G. L.; RASMUSSEN, V. P.; WILSON, G. D. CORN PRODUCTION AS INFLUENCED BY IRRIGATION AND SALINITY - UTAH STUDIES. IRRIGATION SCI. 1:47-59. 1978. CORN GRAMINEAE: ZEA MAYS SOIL, FIELD PLOT CALCIUM, SODIUM, CHLORIDE, MAGNESIUM, SULFATE GRAIN YIELD, VEGETATIVE GROWTH
346. HARA, T.; SONODA, Y.; IWAI, I. GROWTH RESPONSE OF CABBAGE PLANTS TO LITHIUM, SODIUM, AND RUBIDIUM UNDER WATER CULTURE CONDITIONS. SOIL SCI. PLANT NUTR. 23:531-539. 1977. CABBAGE CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA POT, WATER CULTURE LITHIUM, SODIUM, RUBIDIUM, SULFATE, POTASSIUM VEGETATIVE GROWTH, POTASSIUM UPTAKE, LITHIUM UPTAKE, SODIUM UPTAKE, RUBIDIUM UPTAKE, MINERAL COMPOSITION
347. HARARI, D.; UMIEL, N. DIFFERENCES IN PERCENTAGE AND RATE OF GERMINATION OF CARROT SEEDS FROM VARIOUS GENETIC POPULATIONS, GERMINATED AT INCREASING SALINITIES. ISRAEL J. BOT. 24: 55. 1975. CARROT UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA, DAUCUS CAROTA VAR MAXIMUS SEA WATER GERMINATION
348. HASEGAWA, P. M.; BRESSAN, R. A.; HANDA, A. K. GROWTH CHARACTERISTICS OF NaCl-SELECTED AND NONSELECTED CELLS OF NICOTIANA TABACUM L. PLANT CELL PHYSIOL. 21: 1347-1355. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM FLASK SODIUM, CHLORIDE CELL GROWTH
349. HASSELKUS, E. R.; RIDEOUT, R. B. SALT INJURY TO LANDSCAPE PLANTS. WISCONSIN UNIV., COOP. EXT. PROGRAM A2970 4P. JAN. 1979. SODIUM, CHLORIDE
350. HASSON, E.; POLJAKOFF-MAYBER, A. DOES SALINITY INDUCE EARLY AGEING OF PEA ROOT TISSUE? OECOLOGIA 50: 94-97. 1981. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE SODIUM, CHLORIDE XYLEM, PENTOSE PHOSPHATE PATHWAY, MATURATION
351. HASSON, E.; POLJAKOFF-MAYBER, A. GERMINATION OF PEA SEEDS EXPOSED TO SALINE STRESS. ISRAEL J. BOT. 29: 98-104. 1981. PEA LEGUMINOSAE: PISUM SATIVUM SOIL SODIUM, CHLORIDE WATER POTENTIAL, ABSCISIC ACID, PROLINE, SHOOT GROWTH
352. HASSON-PORATH, E.; POLJAKOFF-MAYBER, A. THE EFFECT OF SALINITY ON GLUCOSE ABSORPTION AND INCORPORATION BY PEA ROOTS. PLANTS CELL PHYSIOL. 14: 361-368. 1973. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE SODIUM, CHLORIDE

OSMOTIC POTENTIAL

353. HAWKER, J. S. INVERTASES FROM LEAVES OF PHASEOLUS VULGARIS PLANTS GROWN ON NUTRIENT SOLUTIONS CONTAIN NA₂CO₃. AUST. J. PLANT PHYSIOL. 7: 67-72. 1980. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS POT, GREENHOUSE SODIUM, CHLORIDE INVERTASE ACTIVITY, PROTEIN
354. HAWKER, J. S.; WALKER, R. R. EFFECT OF SODIUM CHLORIDE ON EXPANSION RATES AND INVERTASE ACTIVITY OF LEAVES. AUST. J. PLANT PHYSIOL. 5: 73-80. 1978. BEAN, KIDNEY; CORN LEGUMINOSAE: PHASEOLUS VULGARIS; GRAMINEAE: ZEA MAYS SOIL, POT SODIUM, CHLORIDE INVERTASE, VEGETATIVE GROWTH, SUCROSE, REDUCING SUGAR, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE
355. HAYDON, G. F. BORON TOXICITY OF STRAWBERRY. COMMUN. SOIL SCI. PLANT ANAL. 12: 1085-1091. 1981. STRAWBERRY ROSACEAE: FRAGARIA GREENHOUSE, SAWDUST BORON BORON TOXICITY, LEAF INJURY, BORON UPTAKE
356. HEERKLOSS, B.; BARTOLOMAEUS, W. EXPERIMENTELLE ARBEITEN ZUM KEIMUNGSVERHALTEN VON KULTURPFLANZEN BEI UNTERSCHIEDLICH VERSALZTEN KEIMMEDIEN. EXPERIMENTAL STUDIES ON GERMINATION BEHAVIOR OF CULTIVATED PLANTS AT DIFFERENT SALINITIES OF THE GERMINATION MEDIA. (GER). ARCH. ACKER. PFLANZENBAU. BODENKD. 24: 241-245. 1980. RYEGRASS, ITALIAN; GRASS, ORCHARD; BENTGRASS, CREEPING; CORN; CLOVER, RED; CLOVER, WHITE; CLOVER, PERSIAN; CABBAGE, WILD; RAPE GRAMINEAE: LOLIUM MULTIFLORUM, DACTYLIS GLOMERATA, AGROSTIS STOLONIFERA, ZEA MAYS; LEGUMINOSAE: TRIFOLIUM PRATENSE, TRIFOLIUM REPENS, TRIFOLIUM RESUPINATUM, CRUCIFERAE: BRASSICA OLERACEA, BRASSICA NAPUS FILTER PAPER SEA WATER GERMINATION
357. HEGAZI, A. M.; KAUSCH, W. INTERACTION BETWEEN SALINITY AND (2-CHLOROETHYL)-TRIMETHYL-AMMONIUM CHLORIDE (CCC) ON SALT TOLERANCE IN MAIZE. Z. PFLANZENPHYSIOL. 88:39-45. 1978. CORN GRAMINEAE: ZEA MAYS POT, GROWTH CHAMBER, VERMICULITE SODIUM, CHLORIDE, (2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORIDE CHLOROPHYLL, RIBONUCLEIC ACID, PROTEIN, ROOT GROWTH, SEEDLING GROWTH
358. HEGDE, B. A.; KARANDE, S. M. EFFECT OF PRESOWING TREATMENT OF SODIUM CHLORIDE ON THE INCIDENCE OF GREEN EAR DISEASE OF PENNISETUM TYPHOIDES (BURM) STAFF AND HUBB VAR. HB3. PLANT SOIL 49:551-559. 1978. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM POT, SOIL DOWNY MILDEW, SCLEROSPORA GRAMINICOLA, SODIUM, CHLORIDE, SEED PRETREATMENT DISEASE INCIDENCE, CHLOROPHYLL, CARBOHYDRATE, POLYPHENOLS, NITROGEN, PROLINE
359. HEIKAL, M. M. D. PHYSIOLOGICAL STUDIES ON SALINITY. VI. CHANGES IN WATER CONTENT AND MINERAL COMPOSITION OF SOME PLANTS OVER A RANGE OF SALINITY STRESS. PLANT SOIL 48: 223-232. 1977. SAFFLOWER; SUNFLOWER; RADISH; WHEAT GRAMINEAE: TRITICUM AESTIVUM; CRUCIFERAE: RAPHANUS SATIVUS; COMPOSITAE: CARTHAMUS TINCTORIUS, HELIANTHUS ANNUUS SAND SODIUM, CALCIUM, CHLORIDE WATER CONTENT, MINERAL COMPOSITION
360. HEIKAL, M. M.; AHMED, A. M.; SHADDAD, M. A. DRY MATTER AND MINERAL COMPOSITION OF SOME OIL PRODUCING PLANTS AS INFLUENCED BY SOME SALINIZATION TREATMENTS. PHYTON 20: 159-173. 1980. BEAN, CASTOR; SUNFLOWER; FLAX EUPHORBIACEAE: RICINUS COMMUNIS; COMPOSITAE: HELIANTHUS ANNUUS; LINACEAE: LINUM USITATISSIMUM WATER CULTURE, GREENHOUSE SODIUM, SULFATE MINERAL COMPOSITION, VEGETATIVE GROWTH
361. HEIKAL, M. M.; AHMED, A. M.; SHADDAD, M. A. SALT TOLERANCE OF SOME OIL PRODUCING PLANTS. AGRICULTURA (HEVERLEE) 28: 437-453. 1980. BEAN, CASTOR; SUNFLOWER; FLAX EUPHORBIACEAE: RICINUS COMMUNIS; COMPOSITAE: HELIANTHUS ANNUUS;

LINACEAE: LINUM USITATISSIMUM WATER CULTURE SODIUM, CHLORIDE LEAF AREA, VEGETATIVE GROWTH, MINERAL COMPOSITION, PHOTOSYNTHESIS

362. HELAL, H. M.; MENGEL, K. INTERACTION BETWEEN LIGHT INTENSITY AND NaCl SALINITY AND THEIR EFFECTS ON GROWTH, CO₂ ASSIMILATION, AND PHOTOSYNTHATE CONVERSION IN YOUNG BROAD BEANS. PLANT PHYSIOL. 67: 999-1002. 1981. BEAN, BROAD LEGUMINOSAE: VICIA FABA WATER CULTURE, GROWTH CHAMBER, POT SODIUM, CHLORIDE, LIGHT VEGETATIVE GROWTH, PROTEIN SYNTHESIS
363. HELAL, H. M.; MENGEL, K. NITROGEN METABOLISM OF YOUNG BARLEY PLANTS AS AFFECTED BY NaCl-SALINITY AND POTASSIUM. PLANT SOIL 51: 457-462. 1979. BARLEY GRAMINEAE: HORDEUM VULGARE POT, WATER CULTURE, GREENHOUSE SODIUM, POTASSIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH, MINERAL COMPOSITION
364. HELLINGS, A. J. BEREGENING VAN PLANT- EN ZAAISLA MET VERZILT OPPERVLAKTEWATER IN NOORD-HOLLAND. SPRINKLING IRRIGATION OF PLANT LETTUCE AND SEED LETTUCE WITH SALINE SURFACE WATER IN NORTHERN HOLLAND. (DUT). 10: 739-748. 1979. BEDRIJFSONTWIKKELING 10: 739-748. 1979. LETTUCE COMPOSITAE: LACTUCA SATIVA FIELD IRRIGATION METHOD, SALINE WATER CROP QUALITY, VEGETATIVE GROWTH
365. HERNANSAEZ, A.; PARRA, M.; ORTUNO, A. RELACIONES FISIOLÓGICAS DE BIOELEMENTOS DURANTE EL CRECIMIENTO Y DESARROLLO DE LA HOJA Y EL BROTE DE LIMONEROS CULTIVADOS EN SUELOS SALINOS. PHYSIOLOGICAL RELATIONSHIPS OF BIOELEMENTS DURING THE GROWTH AND DEVELOPMENT OF LEMON TREE LEAVES AND SHOOTS CULTIVATED IN SALINE SOILS. (SPA). AN EDAFOL AGROBIOL. 38: 1031-1038. 1979. LEMON RUTACEAE: CITRUS LIMON SOIL SALINE SOIL, SALINE WATER MINERAL COMPOSITION
366. HEUER, B.; PLAUT, Z. CARBON DIOXIDE FIXATION AND RIBULOSE-1,5-BISPHOSPHATE CARBOXYLASE ACTIVITY IN INTACT LEAVES OF SUGAR BEET PLANTS EXPOSED TO SALINITY AND WATER STRESS. ANN. BOT. 48: 261-268. 1981. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS GROWTH CHAMBER, POT SODIUM, CHLORIDE CARBON DIOXIDE FIXATION, RUBP-CARBOXYLASE
367. HEWITT, A. A.; FURR, J. R. INFLUENCE OF SALT SOURCE ON THE UPTAKE OF CHLORIDES BY SELECTED CITRUS SEEDLINGS. AM. SOC. HORTIC. SCI. PROC. 86: 201-204. 1965. ORANGE, SOUR; ORANGE, MANDARIN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS DEPRESSA POT SODIUM, CALCIUM, CHLORIDE, SULFATE CHLORIDE UPTAKE, TOXICITY SYMPTOM
368. HEYSER, J. W.; NABORS, M. W. OSMOTIC ADJUSTMENT OF CULTURED TOBACCO CELLS (NICOTIANA TABACUM VAR. SAMSUM) GROWN ON SODIUM CHLORIDE PLANT PHYSIOL. 67: 720-727. 1981. TOBACCO SOLANACEAE: NICOTIANA TABACUM SOIL SODIUM, CHLORIDE OSMOTIC ADJUSTMENT, VEGETATIVE GROWTH
369. HINDAWI, I. J.; RANIERE, L. C.; REA, J. A. ECOLOGICAL EFFECTS OF AEROSOL DRIFT FROM A SALT WATER COOLING SYSTEM. USEPA ECOL. RES. SER. EPA-600/3-76-078. 102P. 1976. MANGROVE; BEAN; CORN LEGUMINOSAE: PHASEOLUS VULGARIS; GRAMINEAE: ZEA MAYS; AVICENNIACEAE: AVICENNIA MARINA SOIL, FIELD, GREENHOUSE SALT SPRAY, COOLING TOWER, SEA WATER LEAF INJURY, CHLORIDE UPTAKE, SODIUM UPTAKE, CELL PLASMOLYSIS, VEGETATIVE GROWTH
370. HIRREL, M. C.; GERDEMANN, J. W. IMPROVED GROWTH OF ONION AND BELL PEPPER IN SALINE SOILS BY TWO VESICULAR-ARBUSCULAR MYCORRHIZAL FUNGI. SOIL SCI. SOC. AM. J. 44: 654-655. 1980. ONION; PEPPER, BELL AMARYLLIDACEAE: ALLIUM CEPA; SOLANACEAE: CAPSICUM ANNUUM POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, MYCORRHIZAL FUNGI VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, MYCORRHIZAL INFECTION

371. HODSON, M. J.; SMITH, M. M.; WAINWRIGHT, S. J.; OPIK, H. CATION COTOLERANCE IN A SALT-TOLERANT CLONE OF AGROSTIS STOLONIFERA L. NEW PHYTOLOGIST 90: 253-261. 1982. BENTGRASS, CREEPING GRAMINEAE: AGROSTIS STOLONIFERA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, CALCIUM ROOT LENGTH, VEGETATIVE GROWTH
372. HOFFMAN, G. J.; JOBES, J. A. GROWTH AND WATER RELATIONS OF CEREAL CROPS AS INFLUENCED BY SALINITY AND RELATIVE HUMIDITY. AGRON J. 70: 765-769. 1978. BARLEY; WHEAT; CORN GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, ZEA MAYS GRAVEL, CLIMATE CHAMBERS, POT SODIUM, CALCIUM, CHLORIDE, RELATIVE HUMIDITY TRANSPIRATION, VEGETATIVE GROWTH, LEAF WATER POTENTIAL, GRAIN YIELD, LEAF PRESSURE POTENTIAL
373. HOFFMAN, G. J.; JOBES, J. A.; HANSCOM, Z.; MAAS, E. V. TIMING OF ENVIRONMENTAL STRESS EFFECTS GROWTH, WATER RELATIONS, AND SALT TOLERANCE OF PINTO BEAN. TRANS. AMER. SOC. AGRIC. ENGIN. 21: 713-723. 1978. BEAN, PINTO LEGUMINOSAE: PHASEOLUS VULGARIS GRAVEL CULTURE, CLIMATE CHAMBER SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, TRANSPIRATION, LEAF WATER POTENTIAL, STOMATAL CONDUCTANCE
374. HOFFMAN, G. J.; MAAS, E. V.; MEYER, J. L.; PRICHARD, T. L.; LANCASTER, D. R. SALT TOLERANCE OF CORN IN THE DELTA. CALIF. AGRIC. 33: 11-12. 1979.
375. HOFFMAN, G. J.; RAWLINS, S. L. GROWTH AND WATER POTENTIAL OF ROOT CROPS AS INFLUENCED BY SALINITY AND RELATIVE HUMIDITY. AGRON. J. 63: 877-880. 1971. BEET; ONION; RADISH CHENOPODIACEAE: BETA VULGARIS; AMARYLLIDACEAE: ALLIUM CEPA; CRUCIFERAE: RAPHANUS SATIVUS GROWTH CHAMBERS, GRAVEL HUMIDITY, SODIUM, CHLORIDE LEAF WATER POTENTIAL, ROOT GROWTH, VEGETATIVE GROWTH, TURGIDITY
376. HOFFMAN, G. J.; RAWLINS, S. L.; OSTER, J. D.; JOBES, J. A.; MERRILL, S. D. LEACHING REQUIREMENT FOR SALINITY CONTROL. I. WHEAT, SORGHUM, AND LETTUCE. AGRIC. WATER MANAGEMENT 2: 177-192. 1979. WHEAT; SORGHUM; LETTUCE GRAMINEAE: TRITICUM AESTIVUM, SORGHUM BICOLOR; COMPOSITAE: LACTUCA SATIVA FIELD PLOT, SOIL LEACHING YIELD, LEACHING REQUIREMENT
377. HOFFMAN, G. J.; SHALHEVET, J.; MEIRI, A. LEAF AGE AND SALINITY INFLUENCE WATER RELATIONS OF PEPPER LEAVES. PHYSIOL. PLANT 48: 463-469. 1980. PEPPER, BELL SOLANACEAE: CAPSICUM ANNUUM WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE, CALCIUM LEAF AREA, STEM GROWTH, ROOT GROWTH, FRUIT GROWTH, VEGETATIVE GROWTH, WATER POTENTIAL, OSMOTIC PRESSURE, PRESSURE POTENTIAL, XYLEM PRESSURE POTENTIAL, TRANSPIRATION
378. HOFSTRA, G.; HALL, R.; LUMIS, G. P. STUDIES OF SALT-INDUCED DAMAGE TO ROADSIDE PLANTS IN ONTARIO. J. ARBORIC. 5: 25-31. 1979. PINE, EASTERN WHITE; CEDAR, WHITE PINACEAE: PINUS STROBUS, CHAMAECYPARIS THYOIDES FIELD, SOIL SODIUM, CHLORIDE, DEICING SALT CHLORIDE UPTAKE, SODIUM UPTAKE, LEAF INJURY, GROWTH RING THICKNESS
379. HOLM, H. M. SASKATCHEWAN SOIL SALINITY PROGRAM: SOIL SALINITY CROP TOLERANCE TESTING. PROC. SUBCOM. SALT AFFECTED SOILS, 11TH INTER. SOIL SCI., SOC. CONGR., EDMONTON, CANADA. JUNE 1978.5.11-5.30 BARLEY; WHEAT; OATS; SUNFLOWER; MUSTARD; RAPE; FLAX GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA; COMPOSITAE: HELIANTHUS ANNUUS; CRUCIFERAE: BRASSICA NAPUS, BRASSICA; LINACEAE: LINUM USITATISSIMUM FIELD, SOIL SALINE SOIL, SALINE SEEPS GRAIN YIELD
380. HONDA, N.; SAMESHIMA, I.; KOMUTA, K. STUDIES ON THE EFFECTS OF CHLORINE ON TOBACCO PLANT. I. EFFECTS OF VARIOUS AMOUNTS OF CHLORIDE ON THE GROWTH OF TOBACCO. (JAP; ENG. SUM). OKAYANA TAB. SHIK. HOKUBU 11:1-5. 1963. TOBACCO

SOLANACEAE: NICOTIANA TABACUM SOIL SODIUM, CHLORIDE CARBOHYDRATE, VEGETATIVE YIELD

381. HOYERT, J. H. GERMINATION (EMERGENCE) OF TOBACCO SEED AND ITS RELATIONSHIP TO TOTAL SOLUBLE SALTS AS MEASURED BY ELECTRICAL CONDUCTIVITY OF THE SOIL. TOBACCO INT. VOL. 166: 32-33. MARCH 1, 1968. TOBACCO SOLANACEAE: NICOTIANA TABACUM GREENHOUSE, SOIL FERTILIZER GERMINATION, EMERGENCE
382. HUBER, W.; SCHMIDT, F. ZUR WIRKUNG VERSCHIEDENER SALZE UND VON POLYATHYLENGLYKOL AUF DEN PROLIN-UND AMINOSAURESTOFFWECHSEL VON PENNISETUM TYPHOIDES. EFFECTS OF VARIOUS SALTS AND POLYETHYLENE GLYCOL ON PROLINE AND AMINO-ACID METABOLISM OF PENNISETUM TYPHOIDES. (GER; ENG SUM). Z. PFLANZENPHYSIOL. 89:251-258. 1978. MILLET, PEARL GRAMINEAE: PENNISETUM TYPHOIDES, PENNISETUM AMERICANUM POLYETHYLENE GLYCOL, POTASSIUM, CALCIUM, SODIUM, MAGNESIUM, CHLORIDE PROLINE, ALANINE AMINOTRANSFERASE, GLUTAMATE DEHYDROGENASE, PROLINE DEHYDROGENASE, ASPARTATE AMINOTRANSFERASE
383. HUDLER, G. SALT INJURY TO ROADSIDE PLANTS. GROUNDS MAINT. 16: 80-84. 1981. DEICING SALT SALT TOLERANCE
384. HUGHES, H. E.; HANAN, J. J. EFFECT OF SALINITY IN WATER SUPPLIES ON GREENHOUSE ROSE PRODUCTION J. AMER. SOC. HORT. SCI. 103:694-699 1978. ROSE ROSACEAE: ROSA HYBRIDA. POT, GREENHOUSE, GRAVEL, SOIL SODIUM, SULFATE, BICARBONATE, CALCIUM, MAGNESIUM VEGETATIVE GROWTH, FLOWER YIELD
385. HUSSAIN, Z. A SIMPLE METHOD OF USING HIGHLY SALINE WATER FOR IRRIGATION. J. AGR. SCI. 96: 17-21. 1981. SALINE WATER, SALINE SOIL, LEACHING, IRRIGATION METHOD
386. HUSSAIN, Z. USING HIGHLY SALINE IRRIGATION WATER FOR A FODDER BARLEY CROP. J. AGR. SCI. CAMB. 96: 515-520. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE SOIL, PLOT SODIUM, CHLORIDE, SALINE WATER YIELD, ROOT LENGTH, HEIGHT, PROTEIN
387. HUTCHINSON, F. E. ENVIRONMENTAL POLLUTION FROM HIGHWAY DEICING COMPOUNDS. J. SOIL WATER CONSER. 25: 144-146. 1970. WHEATGRASS, SLENDER; FESCUE, KENTUCKY; MAPLE GRAMINEAE: AGROPYRON TRACHYCAULUM, FESTUCA; ACERACEAE: ACER; PINACEAE: PINUS RESINOSA, PINUS STROBUS DEICING SALT, SODIUM, CHLORIDE
388. IBRAGIMOR, M.; ABDUKADYROV, K. EFFECT OF CALCIUM ON RESISTANCE OF COTTON TO SOIL SALINITY. KHLOPKOVODSTRO 2: 38-39. 1977. COTTON MALVACEAE: GOSSYPIUM FIELD SALINE SOIL, CALCIUM, CARBONATE, SEED PRETREATMENT FIBER YIELD, BOLL YIELD
389. IDRIS, M.; FAROOQ-E-AZAM; SANDHU, G. R. SALT TOLERANCE STUDIES OF HIJAZI LUCERNE (MEDICAGO SATIVA) AND THE EFFECT OF ITS GROWTH ON THE PHYSICO-CHEMICAL PROPERTIES OF SALT AFFECTED SOILS. NUCLEUS 14: 33-40. 1977. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GREENHOUSE, POT, SOIL SALINE SOIL GERMINATION, NODULATION, VEGETATIVE YIELD, NITROGEN FIXATION
390. IKEHASHI, H. PROSPECT OF RICE IN SALINE AREAS. NEWSL. INT. RICE COMM. 28: 20-22. 1979. RICE GRAMINEAE: ORYZA SATIVA

391. IL'IN, V. B.; ANIKINA, A. P. BORON SALINIZATION OF SOILS. SOVIET SOIL SCI. 6: 68-75. 1974. APPLE; CHERRY; PEAR; GRAPE; STRAWBERRY; WHEAT; RYE; OATS; BARLEY; MILLET; RICE; CORN; SUNFLOWER; POTATO; TOMATO; TOBACCO; CLOVER; BEET; PEA; ALFALFA GRAMINEAE: TRITICUM AESTIVUM, SECALE CEREALE, AVENA SATIVA, HORDEUM VULGARE, ORYZA SATIVA, ZEA MAYS, SETARIA ITALICA; LEGUMINOSAE: TRIFOLIUM, MEDICAGO SATIVA, PISUM SATIVUM; SOLANACEAE: SOLANUM TUBEROSUM, LYCOPERSICON ESCULENTUM, NICOTIANA TABACUM; CHENOPODIACEAE: BETA VULGARIS; ROSACEAE: MALUS SYLVESTRIS, PYRUS COMMUNIS, FRAGARIA, PRUNUS; VITACEAE: VITIS; COMPOSITAE: HELIANTHUS ANNUUS BORON TOLERANCE
392. IM, H. B.; HOANG, C. S. A BASIC STUDY ON SUGARBEET CULTURE IN RECLAIMED SALTY AREA. 1. ON THE SUGAR ACCUMULATION OF SUGARBEET IN RECLAIMED SALTY AREA (KOR; ENG SUM). KOREAN J. BOT. 20: 23-27. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SOIL, FIELD PLOT SALINE SOIL SUGAR
393. IM, H. B.; KIM, D. A.; SEO, S.; SONG, H. B.; LEE, H. W.; LIM, U. K.; HOANG, J. S. PASTURE ESTABLISHMENT ON RECLAIMED SOIL AREAS. 1. COMPARISON OF SALT TOLERANCE OF GRASS AND FORAGE LEGUMES. KOREAN J. ANIM. SCI. 23: 30-40. 1981. ALFALFA; CLOVER, LADINO; FESCUE, TALL; ORCHARD GRASS; WHEATGRASS, CRESTED; ALKALI GRASS LEGUMINOSAE: MEDICAGO SATIVA, TRIFOLIUM REPENS; GRAMINEAE: FESTUCA ELATIOR, DACTYLIS GLOMERATA, AGROPYRON DESERTORUM, PUCCINELLIA FIELD SODIUM, CHLORIDE SEEDLING GROWTH, YIELD, VEGETATIVE GROWTH
394. INDIRA, P. SALINITY EFFECTS ON PLANT GROWTH AND TUBERIZATION IN CASSAVA. J. ROOT CROPS 4: 19-23. 1978. CASSAVA EUPHORBIACEAE: MANIHOT ESCULENTA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE GROWTH RATE, VEGETATIVE GROWTH
395. INDIRA, P.; RAMANUJAM, T. NOTE ON POTASSIUM: SODIUM RATIO IN CASSAVA GROWN UNDER SALT AND MOISTURE STRESS. INDIAN J. AGR. SCI. 52: 198-199. 1982. CASSAVA EUPHORBIACEAE: MANIHOT ESCULENTA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, WATER STRESS SODIUM UPTAKE, POTASSIUM UPTAKE
396. ISHIDA, A.; MASUI, M.; NUKAYA, A.; OGURA, T. SALT TOLERANCE OF CARNATIONS IN SAND AND SOIL CULTURES. (JAP; ENG SUM). J. JAPANESE SOC. HORT. SCI. 48: 322-326. 1979. CARNATION CARYOPHYLLACEAE: DIANTHUS SOIL, SAND, POT SEA WATER, CHLORIDE MINERAL COMPOSITION, CHLORIDE UPTAKE, FLOWERING, SHOOT GROWTH, ROOT GROWTH
397. ISHITOYA K.; TAKEYAMA, K.; KAKIE, T. STUDIES ON THE EFFECTS OF MICRONUTRIENTS ON TOBACCO PLANTS. I. EFFECTS OF BORON ON THE GROWTH OF TOBACCO PLANTS. (JAP; ENG SUM) OKAYAMA TOB. EXPT. STA. B. 15:50-61. 1957. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND, WATER CULTURE BORON TOXICITY SYMPTOM
398. ITAI, C. RESPONSE OF EUCALYPTUS OCCIDENTALIS TO WATER STRESS INDUCED BY NA CL PHYSIOL. PLANT 43:377-379. 1978. YATE, FLAT-TOPPED MYRTACEAE: EUCALYPTUS OCCIDENTALIS WATER CULTURE SODIUM, CHLORIDE CYTOKININ ACTIVITY, CARBON DIOXIDE FIXATION, LEUCINE
399. IVANOV, V. F. METHODS OF DETERMINING COMPARATIVE SALT RESISTANCE OF FRUIT VARIETIES. (RUS ; ENG SUM) BULL. GOS. NIKITSK BOT. SAD. 3:35-39. 1976. APPLE SOIL, FIELD SALINE SOIL SALT TOLERANCE
400. IVANOV, V. F.; IVANOVA, A. S. CORRELATION BETWEEN GROWTH AND MINERAL NUTRITION OF PEACH UNDER CONDITIONS OF SOIL SALINIZATION. SOVIET PLANT PHYSIOL. 24: 492-498. 1977. PEACH ROSACEAE: PRUNUS PERSICA GREENHOUSE, SOIL, FIELD SODIUM, SULFATE, CHLORIDE, CARBONATE, BICARBONATE, MAGNESIUM MINERAL COMPOSITION

401. IVANOV, V. F.; SHOLOKHOV, A. M. CHARACTERISTICS OF PEACH FLOWER BUD DEVELOPMENT IN CONDITIONS OF SOIL SALINIZATION, (RUS; ENG SUM). BULL. GOS. NIKITSK BOT. SAD. 1: 33-37. 1976. PEACH ROSACEAE: PRUNUS PERSICA SOIL SODIUM, CHLORIDE, MAGNESIUM, SULFATE FLOWERING
402. IVANOVA, O. V. ACCUMULATION OF SODIUM AND CHLORINE IONS IN WHEAT VARIETIES WITH DIFFERENT SALT RESISTANCE. (RUS) BIULL. VSES. INST. RASTENIEVOD 66: 40-45. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, POT SODIUM, CHLORIDE, VARIETY SODIUM UPTAKE, CHLORIDE UPTAKE
403. IYENGAR, E. R. R. RESEARCH IN SEAWATER IRRICULTURE IN INDIA. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 165-175. 1982. SAND SEA WATER GERMINATION, SALT TOLERANCE, MINERAL COMPOSITION
404. IYENGAR, E. R. R.; KURIAN, T. EVALUATION OF SEA WATER TOLERANCE OF CROP PLANTS. 2. RESPONSE OF BAJRA AND WHEAT TO SEA WATER SALINITY. INDIAN J. AGRIC. RES. 5: 249-255. 1971. MILLET, PEARL; WHEAT GRAMINEAE: PENNISETUM TYPHOIDES, TRITICUM AESTIVUM POT, SAND SEA WATER GRAIN YIELD, MINERAL COMPOSITION, VEGETATIVE GROWTH
405. IYENGAR, E. R. R.; PANDYA, J. B.; PATOLIA, J. S. EVALUATION OF COTTON VARIETIES TO SALINITY STRESS INDIAN J. PLANT PHYSIOL. 21:113-117. 1978. COTTON MALVACEAE: GOSSYPIMUM SAND SEA WATER COTTON YIELD, MINERAL COMPOSITION, LINT QUALITY
406. IYENGAR, E. R. R.; PATOLIA, J. S.; KURIAN T. VARIETAL DIFFERENCES IN BARLEY TO SALINITY. Z. PFLANZENPHYSIOL. 84:355-361. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SAND VARIETY, SEA WATER VEGETATIVE GROWTH, MINERAL COMPOSITION, SEED YIELD, SEED WEIGHT
407. JAIN, R. K.; GARG, V. K.; KHANDUJA, S. D. MACRONUTRIENT ELEMENT COMPOSITION OF LEAVES FROM SOME ORNAMENTAL SHRUBS GROWN ON NORMAL AND ALKALI SOILS. J. HORTIC. SCI. 56: 169-172. 1981. YELLOW-BELLS; OLEANDER; HIBISCUS; COPPER-LEAF; BUTTERFLY-BUSH; MORNING-GLORY RUBIACEAE: IXORA BANDHUCA; NYCTAGINACEAE: BOUGAINVILLEA; EUPHORBIACEAE: ACALYPHA MACROPHYLLA; LYTHRACEAE: LAWSONIA ALBA; SOLANACEAE: CESTRUM ALBUM; LOGANIACEAE: BUDDELIA MADAGASCARIENSIS; APOCYNACEAE: TABERNAEMONTANA CORONARIA, NERIUM INDICUM; CONVULVULACEAE: IPOMOEA PALMATA; BIGNONIACEAE: TECOMA STANS; MALVACEAE: HIBISCUS ROSA-SINENSIS FIELD PLOT ALKALI SOIL MINERAL COMPOSITION
408. JANA, M. K.; JANA, S.; ACHARYA, S. N. SALT STRESS TOLERANCE IN HETEROGENEOUS POPULATIONS OF BARLEY. EUPHYTICA 29: 409-417. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SOIL, GROWTH CHAMBER SODIUM, CHLORIDE GERMINATION, GRAIN YIELD, GRAIN WEIGHT
409. JANA, M. K.; SLINKARD, A. E. SCREENING FOR SALT TOLERANCE IN LENTILS. LENS 6: 25-27. 1979. LENTIL LEGUMINOSAE: LENS CULINARIS
410. JANARDHAN, K. V.; PANCHAKSHARAIHA, S.; BALAKRISHNA RAO, K.; PATIL, B. N. EFFECT OF VARYING K:Na RATIOS IN SALINE IRRIGATION WATER ON GRAIN YIELD AND IONIC COMPOSITION OF WHEAT. CURRENT SCI. 48: 739-741. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, POTASSIUM GRAIN YIELD, STRAW YIELD, SODIUM UPTAKE, POTASSIUM UPTAKE
411. JANARDHAN, K. V.; PARASHIVA MURTHY, A. S.; GIRI RAJ, K.; PANCHAKSHARAIHA, S. SALT TOLERANCE OF RICE SEEDLINGS IN

RELATION TO QUALITY OF IRRIGATION WATER. MYSORE J. AGRIC. SCI. 10: 599-604. 1976. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, SODIUM UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE

412. JANARDHAN, K. V.; VISWANATH, D. P.; PARASHIVAMURTHY, A. S.; YADAV, J. S. P. INFLUENCE OF SALINE WATER IRRIGATION ON KAPAS (SEED COTTON) YIELD AND ION ACCUMULATION IN COTTON CULTIVARS AT DIFFERENT GROWTH STAGES. CURR. AGRIC. 3: 21-29. 1979. COTTON MALVACEAE: GOSSYPIUM SOIL, FIELD PLOT VARIETY, SODIUM, CHLORIDE, SULFATE, BICARBONATE, CALCIUM GERMINATION, YIELD, MINERAL COMPOSITION
413. JEFFERIES, R. L. OSMOTIC ADJUSTMENT AND THE RESPONSE OF HALOPHYTIC PLANTS TO SALINITY. BIOSCIENCE 31: 42-46. 1981. GLASSWORT; CORDGRASS; SPIKE GRASS; HALOPHYTE CHENOPODIACEAE: SALICORNIA; GRAMINEAE: SPARTINA
414. JEFFERIES, R. L.; RUDMIK, T.; DILLON, E. M. RESPONSES OF HALOPHYTES TO HIGH SALINITIES AND LOW WATER POTENTIALS. PLANT PHYSIOL. 64: 989-994. 1979. PLANTAIN, ARROWGRASS; LAVENDER, SEA PLANTAGINACEAE: PLANTAGO MARITIMA; JUNCAGINACEAE: TRIGLOCHIN MARITIMA; PLUMBAGINACEAE: LIMONIUM VULGARE; CHENOPODIACEAE: HALIMIONE PORTULACOIDES POT, SAND, GREENHOUSE SEA WATER, POLYETHYLENE GLYCOL MINERAL COMPOSITION, VEGETATIVE GROWTH, WATER POTENTIAL, OSMOTIC PRESSURE, NITROGEN, AMINO NITROGEN, REDUCING SUGAR, SORBITOL, PROLINE
415. JENNINGS, D. H. HALOPHYTES, SUCCULENCE AND SODIUM IN PLANTS - A UNIFIED THEORY. NEW PHYTOL. 67:899-911. 1968. HALOPHYTE
416. JENNINGS, D. H. THE EFFECTS OF SODIUM CHLORIDE ON HIGHER PLANTS BIOL. REV. CAMB. PHILOS. SOC. 51:453-486. 1976.
417. JENSEN, C. R. EFFECT OF SOIL WATER OSMOTIC POTENTIAL ON GROWTH AND WATER RELATIONSHIPS IN BARLEY DURING SOIL WATER DEPLETION. IRRIG. SCI. 3: 111-121. 1982. BARLEY GRAMINEAE: HORDEUM VULGARE SOIL, POT OSMOTIC PRESSURE, POTASSIUM, SALINE WATER VEGETATIVE GROWTH, TRANSPIRATION
418. JENSEN, C. R. INFLUENCE OF WATER AND SALT STRESS ON WATER RELATIONSHIPS AND CARBON DIOXIDE EXCHANGE OF TOP AND ROOTS IN BEANS. NEW PHYTOL. 87: 285-295. 1981. BEAN, BUSH LEGUMINOSAE: PHASEOLUS VULGARIS POT POLYETHYLENE GLYCOL WILTING, WATER POTENTIAL, OSMOTIC POTENTIAL, WATER CONTENT, NITRATE UPTAKE
419. JENSEN, P.; PETTERSSON, S. VARIETAL VARIATION IN UPTAKE AND UTILIZATION OF POTASSIUM (RUBIDIUM) IN HIGH-SALT SEEDLINGS OF BARLEY. PHYSIOL. PLANT 43: 411-415. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE POT, WATER CULTURE, GROWTH CHAMBER VARIETY, POTASSIUM, RUBIDIUM VEGETATIVE GROWTH, POTASSIUM UPTAKE, TRANSPIRATION
420. JETHMALANI, S. C.; DIGHE, J. M.; LOLE, B. S.; SHARMA, O. P.; MEHRE, D. P. EFFECT OF SALINE WATER ON CROP YIELD AND SOIL PROPERTIES. JNKVV. RES. J. 13: 6-10. 1979. WHEAT; CORN GRAMINEAE: TRITICUM AESTIVUM, ZEA MAYS SOIL, FIELD PLOT SODIUM, CHLORIDE, CALCIUM HEIGHT, TILLERING, YIELD, SALT TOLERANCE, GERMINATION
421. JINDAL, P. C.; SINGH, J. P.; GUPTA, O. P. EFFECT OF SALINITY ON THE MINERAL NUTRIENTS IN MANGO SEEDLINGS. INDIAN J. AGRIC. SCI. 49: 105-109. 1979. MANGO ANACARDIACEAE: MANGIFERA INDICA SOIL, POT SODIUM, CHLORIDE, SULFATE, CALCIUM MINERAL COMPOSITION

422. JINDAL, P. C.; SINGH, J. P.; GUPTA, O. P. SCREENING OF MANGO SEEDLINGS FOR SALT TOLERANCE. HARYANA J. HORT. SCI. 4: 112-115. 1975. MANGO ANACARDIACEAE: MANGIFERA INDICA FIELD PLOT, SOIL SALINE SOIL SODIUM UPTAKE, SEEDLING GROWTH, HEIGHT, MINERAL COMPOSITION
423. JOBES, J. A.; HOFFMAN, G. J.; WOOD, J. D. LEACHING REQUIREMENT FOR SALINITY CONTROL. II. OAT, WHEAT, TOMATO, AND CAULIFLOWER. AGRIC. WATER MANAGE. 4: 393-407. 1981. OATS; WHEAT; TOMATO; CAULIFLOWER GRAMINEAE: TRITICUM AESTIVUM, AVENA SATIVA; SOLANACEAE: LYCOPERSICON ESCULENTUM; CRUCIFERAE: BRASSICA OLERACEA FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, LEACHING SEED WEIGHT, YIELD, VEGETATIVE GROWTH, FRUIT QUALITY
424. JOHN, C. D.; LAUCHLI, A. METABOLIC ADAPTATION IN MATURE ROOTS OF SALT STRESSED ZEA-MAYS. ANN. BOT. 46: 395-400. 1980. CORN GRAMINEAE: ZEA MAYS WATER CULTURE SODIUM, SULFATE, GLUCOSE PROTEIN, LEUCINE, OXYGEN UPTAKE, CARBON DIOXIDE UPTAKE, GAS EXCHANGE
425. JOHNSON, C. R.; BLACK, R. J. SALT TOLERANT PLANTS FOR FLORIDA. UNIV. FLORIDA, DEPT. ORNAMENTAL HORT. FACT SHEET 26: 4 P. TREE; PALM; SHRUB; GROUND COVER; VINE
426. JONES, R. G. W. SALT TOLERANCE. IN: PHYSIOLOGICAL PROCESSES OF LIMITING PLANT PRODUCTIVITY. JOHNSON, E. B. (ED). BUTTERWORTH PRESS, LONDON. 1981. 21P. SALINE WATER, SALINE SOIL, SODIUM, CHLORIDE, CALCIUM SALT TOLERANCE
427. JOOLKA, N. K.; SINGH, J. P. EFFECT OF SOIL SALINITY ON THE GROWTH OF CITRUS ROOTSTOCKS. INDIAN J. AGRIC. SCI. 49: 858-861. 1979. CITRUS; LEMON; LEMANDARIN; ORANGE RUTACEAE: CITRUS JAMBHIRI, CITRUS RESHNI, CITRUS KARNA, CITRUS LIMONIA, CITRUS LIMON, CITRUS SINENSIS, PONCIRUS TRIFOLIATA POT, SOIL ROOTSTOCK, SODIUM, CALCIUM, CHLORIDE, SULFATE, MAGNESIUM VEGETATIVE GROWTH, TOP GROWTH, ROOT GROWTH
428. JOOLKA, N. K.; SINGH, J. P.; KHERA, A. P. MINERAL COMPOSITION OF GRAPE AS AFFECTED BY CHLORIDE AND SULFATE SALTS OF SODIUM IN SOILS. INDIAN J. AGRIC. SCI. 47: 201-203. 1977. GRAPE VITACEAE: VITIS VINIFERA POT, SOIL SODIUM, CHLORIDE, SULFATE MINERAL COMPOSITION
429. JORGENSEN, V. VANDING AF GRONSAGER MED GRUNDVAND OG SALTHOLDIGT VAND. IRRIGATION OF VEGETABLE CROPS WITH UNDERGROUND WATER AND SALINE WATER. (DAN; ENG SUM). TIDSSKR. PL. AVL. 80: 791-809. 1976. CELERY; ONION; LEEK; CAULIFLOWER; RADISH; SPINACH UMBELLIFERAE: APIUM GRAVEOLENS VAR RAPACEUM; AMARYLLIDACEAE: ALLIUM CEPA, ALLIUM PORRUM; CRUCIFERAE: BRASSICA OLERACEA VAR BOTRYTIS, RAPHANUS SATIVUS; CHENOPODIACEAE: SPINACIA OLERACEA FIELD SODIUM, CHLORIDE, IRRIGATION METHOD YIELD, SODIUM UPTAKE, SALT TOLERANCE
430. JOSHI, A. J. AMINO ACIDS AND MINERAL CONSTITUENTS IN SESUVIUM PORTULACASTRUM L., A SALT MARSH HALOPHYTE. AQUAT. BOT. 10: 69-74. 1981. CARPETWEED AIZOACEAE: SESUVIUM PORTULACASTRUM FIELD SALINE SOIL, SEA WATER MINERAL COMPOSITION, AMINO ACID, PROLINE, SODIUM UPTAKE
431. JOSHI, A. J.; IYENGAR, E. R. R. GERMINATION OF SUAEDA NUDIFLORA. GEOBIOS 4: 267-268. 1977. CHENOPODIACEAE: SUAEDA NUDIFLORA GERMINATION DISHES SEA WATER GERMINATION
432. JOSHI, A. J.; IYENGAR, E. R. R.; BHATT, D. C. EFFECTS OF SALINITY ON STRUCTURE AND FREQUENCY OF STOMATA IN SALT MARSH HALOPHYTES. GEOBIOS. 7: 210-213. 1980. GLASSWORT CHENOPODIACEAE: SALICORNIA BRACHIATA, SUAEDA NUDIFLORA;

AIZOACEAE: SESUVIUM PORTULACASTRUM POT, SOIL SEA WATER STOMATAL FREQUENCY

433. JOSHI, G. V.; KARADGE, B. A. EFFECT OF SODIUM CHLORIDE ON PHOTOSYNTHETIC CARBON-14 DIOXIDE ASSIMILATION IN PORTULACA OLERACEA LINN. INDIAN J. EXP. BIOL. 17: 167-170. 1979. PURSLANE PORTULACACEAE: PORTULACA OLERACEA WATER CULTURE SODIUM, CHLORIDE CARBON DIOXIDE FIXATION, CHLOROPHYLL, WATER CONTENT, MINERAL COMPOSITION, ENZYME, PHOTOSYNTHESIS
434. JOSHI, G. V.; NAIK, G. R. SALINITY EFFECT ON GROWTH AND PHOTOSYNTHETIC PRODUCTIVITY IN SUGARCANE VAR. CO 740. INDIAN SUGAR 27:329-332. 1977. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM WATER CULTURE, SOIL, FIELD SODIUM, CHLORIDE, SULFATE PHOTOSYNTHESIS, VEGETATIVE GROWTH, PROTEIN, PROLINE, CHLOROPHYLL
435. JOSHI, Y. C.; QADAR, A.; RANA, R. S. DIFFERENTIAL SODIUM AND POTASSIUM ACCUMULATION RELATED TO SODICITY TOLERANCE IN WHEAT. INDIAN J. PLANT PHYSIOL. 22: 226-230. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, BICARBONATE, VARIETY EXCHANGEABLE SODIUM PERCENTAGE, SODIUM UPTAKE, POTASSIUM UPTAKE
436. JURINAK, J. J.; WAGENET, R. J. FERTILIZATION AND SALINITY. SALINITY IN IRRIGATION AND WATER RESOURCES. D. YARON (ED.). CIV. ENG. 4: 103-119. 1981. FERTILIZATION, SALT TOLERANCE
437. JURY, W. A.; FRENKEL, H.; FLUHLER, H.; DEVITT, D.; STOLZY, L. H. USE OF SALINE IRRIGATION WATERS AND MINIMAL LEACHING FOR CROP PRODUCTION. HILGARDIA 46: 169-192. 1978. WHEAT; SORGHUM GRAMINEAE: TRITICUM AESTIVUM, SORGHUM LYSIMETER, SOIL SALINE WATER, WATER QUALITY, WATER TABLE, IRRIGATION METHOD, LEACHING WATER USE
438. KABUZENKO, S. N.; PONOMAREVA, S. A. CHLORIDE SALINIZATION EFFECT ON POLY SACCHARIDE CONTENT AND RESPIRATION INTENSITY OF CROPS DIFFERENT IN SALT RESISTANCE. (RUS; ENG SUM). FIZIOL. BIOKHM. KUL'T. RAST. 12: 620-624. 1980. CORN; TOMATO GRAMINEAE: ZEA MAYS; SOLANACEAE: LYCOPERSICON ESCULENTUM SOIL SODIUM, CHLORIDE RESPIRATION, STARCH, CELLULOSE
439. KALIR, A.; POLJAKOFF-MAYBER, A. CHANGES IN ACTIVITY OF MALATE DEHYDROGENASE, CATALASE, PEROXIDASE AND SUPEROXIDE DISMUTASE IN LEAVES OF HALOPHYTE PORTULACOIDES (L.) AELLEN EXPOSED TO HIGH SODIUM CHLORIDE CONCENTRATIONS. ANN. BOT. 47: 75-85. 1981. GOOSEFOOT CHENOPODIACEAE: HALIMIONE PORTULACOIDES GREENHOUSE, WATER CULTURE SODIUM, CHLORIDE MINERAL COMPOSITION, MALATE DEHYDROGENASE, CATALASE, PEROXIDASE, ENZYME ACTIVITY, PROTEIN, CHLOROPHYLL
440. KAMASAKI, H.; TAKADA, H.; KAMISAKA, S. REQUIREMENT OF SODIUM CHLORIDE FOR THE ACTION OF GIBBERELIC ACID IN STIMULATING HYPOCOTYL ELONGATION OF A HALOPHYTE, SALICORNIA HERBACEA L. PLANT CELL PHYSIOL. 19: 1415-1425. 1978. CHENOPODIACEAE: SALICORNIA HERBACEA GERMINATION DISHES SODIUM, CHLORIDE, KINETIN, GIBBERELIC ACID, INDOLE-3-ACETIC ACID HYPOCOTYL ELONGATION, SODIUM UPTAKE
441. KAMATH, M. B.; GOSWAMI, N. N.; DRAVID, M. S.; OZA, A. M. SOIL-GENOTYPE INTERACTION WITH REGARD TO TOLERANCE TO SALINITY AND PHOSPHORUS UTILIZATION BY BARLEY. J. NUCL. AGRIC. BIOL. 6: 86-88. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE FIELD, SOIL, POT SALINE SOIL, VARIETY, PHOSPHORUS ROOT DISTRIBUTION, VEGETATIVE GROWTH, PHOSPHORUS UPTAKE
442. KAMESWARARAO, B. V.; RAMAKRISHNAYYA, B. V.; SASTRY, A. S. EFFECT OF CHLORIDES ON THE YIELD AND QUALITY OF INDIAN

- FLUE-CURED TOBACCO INDIAN J. AGR. SCI. 34:78-86. 1964. TOBACCO SOLANACEAE: NICOTIANA TABACUM FIELD PLOT
SODIUM, CHLORIDE, PLANTING DATE VEGETATIVE YIELD
443. KANWAR, J. S.; BHAMBOTA, J. R. EFFECT OF DIFFERENT WATER TABLES AND SALINITY LEVELS ON THE CHLOROPHYLL CONTENTS AND CHEMICAL COMPOSITION OF LEAVES OF SWEET ORANGE (CITRUS SINENSIS (L). OSBECK). INDIAN J. AGRIC. SCI. 38:238-244. 1968. ORANGE, SWEET RUTACEAE: CITRUS SINENSIS SOIL WATER TABLE CHLOROPHYLL, MINERAL COMPOSITION
444. KAPPEN, L.; NOEVIG, M.; MAIER, M. SEASONAL RELATIONS BETWEEN THE CONTENT OF AMINO ACIDS AND FREEZING TOLERANCE OF LEAVES OF HALIMIONE PORTULACOIDES UNDER DIFFERENT SALT STRESS. BIOCHEM. PHYSIOL. PFLANZ. 172:297-304. 1978. CHENOPODIACEAE: HALIMIONE PORTULACOIDES POT, SAND SODIUM, CHLORIDE CHLORIDE UPTAKE, AMINO ACID, FREEZING TOLERANCE, PROLINE
445. KARADGE, B. A.; CHAVAN, P. D. MINERAL NUTRITION OF GROUNDNUT (ARACHIS HYPOGAEA) CULTIVAR SB-11 GROWN IN SALINIZED SOIL. MAHARASHTRA VIDNYAN MANDIR PATRIKA 14: 68-75. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA FIELD PLOT, SOIL SODIUM, CHLORIDE, SULFATE SHOOT GROWTH, ROOT GROWTH, VEGETATIVE GROWTH, YIELD, MINERAL COMPOSITION
446. KATZ, A.; TAL, M. SALT TOLERANCE IN THE WILD RELATIVES OF THE CULTIVATED TOMATO: PROLINE ACCUMULATION IN CALLUS TISSUE OF LYCOPERSICON ESCULENTUM AND L. PERUVIANUM. Z. PFLANZENPHYSIOL. 98: 429-435. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM CALLUS TISSUE SODIUM, CHLORIDE, MANNITOL, PROLINE, DEHYDROPROLINE PROLINE
447. KAUL, R. RELATIVE GROWTH RATES OF SPRING WHEAT, OATS AND BARLEY UNDER POLYETHYLENE GLYCOL-INDUCED WATER STRESS. CAN. J. PLANT SCI. 46: 611-617. 1966. BARLEY; WHEAT; OATS GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, AVENA SATIVA WATER CULTURE POLYETHYLENE GLYCOL VEGETATIVE GROWTH, GROWTH RATE
448. KAWASAKI, T.; MORITSUGU, M. EFFECT OF CALCIUM ON SALT INJURY IN PLANTS. I. MAIZE AND BEAN. BER. OHARA INST. LANDWIRTSCH BIOL. 17: 57-71. 1978. CORN; BEAN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: PHASEOLUS VULGARIS POT, WATER CULTURE, GREENHOUSE SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SULFATE CALCIUM UPTAKE, VEGETATIVE GROWTH, SODIUM UPTAKE, POTASSIUM UPTAKE, MAGNESIUM UPTAKE
449. KAWASAKI, T.; MORTISUSU, M. EFFECT OF CALCIUM ON SALT INJURY IN PLANTS. II. BARLEY AND RICE. BER. OHARA INST. LANDWIRTSCH BIOL. 17: 73-81. 1978. BARLEY; RICE GRAMINEAE: HORDEUM VULGARE, ORYZA SATIVA SAND, POT, WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE
450. KAZIM, A. .A TOMATO GROWTH AND YIELD AS INFLUENCED BY DIFFERENT LEVELS OF SALINE WATER APPLICATIONS. MESOPOTAMIA J. AGRIC. 13: 93-100. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM SOIL, GREENHOUSE, POT SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, YIELD, LEAF WATER CONTENT, SHOOT GROWTH, FLOWERING
451. KEMP, P. R.; CUNNINGHAM, G. L. LIGHT, TEMPERATURE AND SALINITY EFFECTS ON GROWTH, LEAF ANATOMY AND PHOTOSYNTHESIS OF DISTICHLIS SPICATA (L.) GREENE. AMER. J. BOT. 68: 507-516. 1981. GRASS GRAMINEAE: DISTICHLIS SPICATA WATER CULTURE, POT SODIUM, CHLORIDE, LIGHT, TEMPERATURE GROWTH RATE, XYLEM, PHOTOSYNTHESIS, STOMATAL RESISTANCE, RESPIRATION, STOMATAL FREQUENCY, MESOPHYLL, LEAF AREA, LEAF THICKNESS

452. KENNEDY, R. A. THE EFFECTS OF NaCl-, POLYETHYLENEGLYCOL-, AND NATURALLY-INDUCED WATER STRESS ON PHOTOSYNTHETIC PRODUCTS, PHOTOSYNTHETIC RATES, AND CO₂ COMPENSATION POINTS IN C₄ PLANTS. Z. PFLANZENPHYSIOL. 83: 11-24. 1977. CORN; PURSLANE GRAMINEAE: ZEA MAYS; PORTULACACEAE: PORTULACA OLERACEA GROWTH CHAMBER, WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL WATER CONTENT, CHLOROPHYLL, VEGETATIVE GROWTH, SUGAR PHOSPHATES, PHOTOSYNTHESIS
453. KENNEDY, W. R. ROAD SALT DAMAGE AND TOLERANT GRASSES WEEDS, TREES AND TURF 17: 31. 1978. GRASS DEICING SALT
454. KHADR, A. A. NITROGEN INFLUENCE ON SALT TOLERANCE OF BROAD BEAN, BARLEY, AND PEA SEEDLINGS GROWN IN SAND CULTURE. ANN. AGRIC. SCI. 12: 159-168. 1980. BARLEY; BEAN, BROAD; PEA GRAMINEAE: HORDEUM VULGARE; LEGUMINOSAE: VICIA FABA, PISUM SATIVUM POT, SAND, GREENHOUSE NITROGEN VEGETATIVE GROWTH, GERMINATION, MINERAL COMPOSITION
455. KHAITBAER, E. KH.; SAIDNASYROVA, Z. N.; VALIKHANOV, M. N.; ORESTOVA, I. I. DYNAMICS OF THE MINERAL METABOLISM OF COTTON DURING SALINIZATION SOV. AGRIC. SCI. 9:20-21. 1976. COTTON MALVACEAE: GOSSYPIUM POT, SOIL SODIUM, CHLORIDE MINERAL COMPOSITION
456. KHAN, A. H. COMPARATIVE EFFECT OF SODIUM CHLORIDE AND SULFATE ON GROWTH AND ION ACCUMULATION IN ZEA-MAYS L. PAK. J. BOT. 10: 161-166. 1978. CORN GRAMINEAE: ZEA MAYS POT, GROWTH CHAMBER SODIUM, CHLORIDE, SULFATE ION CONTENT, POTASSIUM UPTAKE, OSMOTIC PRESSURE, ROOT GROWTH, VEGETATIVE GROWTH, SODIUM UPTAKE
457. KHAN, M. KALLAR-GRASS (A SUITABLE GRASS FOR SALINE LANDS). AGRI. PAK. 17:375. 1966. KALLAR GRASS GRAMINEAE: DIPLACHNE FUSCA
458. KHAN, M. A.; KHAN, M. I. EFFECT OF LIGHT AND TEMPERATURE ON SEEDLINGS RAISED UNDER SODIUM CHLORIDE SALINITY. PAK. J. BOT. 10: 167-172. 1978. WHEAT; JUTE; CORN TILIACEAE: CORCHORUS CAPSULARIS; GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM GERMINATION DISH, WATER CULTURE, GROWTH CHAMBER, SOIL LIGHT, TEMPERATURE, SODIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH
459. KHAN, M. A.; KHAN, M. I. IONIC AND OSMOTIC EFFECTS OF SODIUM CHLORIDE ON GERMINATION RATE AND SUBSEQUENT GROWTH OF WHEAT SEEDLINGS. PAK. J. BOT. 10: 101-105. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES, GROWTH CHAMBER SODIUM, CHLORIDE, SEED PRETREATMENT, POLYETHYLENE GLYCOL GERMINATION, SEEDLING GROWTH
460. KHAN, M. I.; BEGUM, F. EFFECTS OF SALTS ON PHOSPHOMONOESTERASES OF WHEAT SEEDLINGS. PAK. J. BIOCHEM. 5: 15-18. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE, SULFATE PHOSPHATASE, ENZYME
461. KHAN, M. I.; PATEL, Z. EFFECT OF SODIUM CHLORIDE ON GERMINATION, GROWTH AND ENZYMES OF TWO VARIETIES OF WHEAT SEED. SIND UNIV. RES. JOUR. (SCI. SER.) 6:7-14. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, GERMINATION DISHES SODIUM, CHLORIDE INVERTASE, AMYLASE, INDOLEACETIC ACID OXIDASE, GERMINATION, VEGETATIVE GROWTH
462. KHANDUJA, S. D.; CHATURVEDI, K. N.; GARG, V. K. EFFECT OF EXCHANGEABLE SODIUM PERCENTAGE ON THE GROWTH AND MINERAL COMPOSITION OF THOMPSON-SEEDLESS GRAPEVINES. SCI. HORTIC. 12: 47-54. 1980. GRAPE VITACEAE: VITIS VINIFERA SOIL, POT SODIUM, BICARBONATE SHOOT LENGTH, MINERAL COMPOSITION

463. KHANNA, S. S.; BALAGURU, T. INTERACTION OF POTASSIUM AND SODIUM ON GROWTH AND MINERAL CONTENT OF WHEAT. INDIAN J. AGRIC. SCI. 51: 324-328. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, POT SODIUM, POTASSIUM, CHLORIDE VEGETATIVE GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, HEIGHT
464. KHATTAK, J. K.; RASHID, A.; KHAN, M. A. EFFECT OF SALINE IRRIGATION WATER ON THE GROWTH, YIELD AND PROTEIN CONTENT OF MEXI-PAK 65. PART I. PAK. J. SCI. RES. 25: 162-166. 1973. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT SODIUM, CHLORIDE YIELD, PROTEIN, TILLERING, HEIGHT
465. KIM, C. S. STUDY ON THE SEED GERMINATION AND SALT TOLERANCE OF PLANTS IN RECLAIMED SALT AREA. (KOR; ENG SUM). KOREAN J. BOT. 23: 27-33. 1980. RAPE; STARWORT; BROMEGRASS; MANNAGRASS; MILLET CRUCIFERAE: BRASSICA NAPUS; COMPOSITAE: ASTER KORAIENSIS; GRAMINEAE: BROMUS JAPONICUS, GLYCERIA ACUTIFLORA, ECHINOCHLOA HISPIDULA, SETARIA LUTESCENS SODIUM, CHLORIDE GERMINATION
466. KIRKHAM, M. B. SALT WATER IRRIGATION FREQUENCY FOR BARLEY. ANN. ARID ZONE 17:12-18. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE POT, SAND, GREENHOUSE SODIUM, CHLORIDE, IRRIGATION FREQUENCY GRAIN YIELD, VEGETATIVE GROWTH, CHLORIDE UPTAKE
467. KITAMURA, T.; ITO, T.; KUDO, H.; OHZEKI, K. STUDIES ON THE ABSORPTION OF CHLORIDE BY BURLEY TOBACCO. I. EFFECTS OF CHLORIDE CONTENT IN THE CURED LEAVES ON THE CHEMICAL AND PHYSICAL PROPERTIES, AND SMOKING QUALITY OF TOBACCO. BULL. MORIOKA TOB. EXP. STN. 13: 13-23. 1978. TOBACCO SOLANACEAE: NICOTIANA TABACUM SOIL CHLORIDE MINERAL COMPOSITION, VEGETATIVE GROWTH, CHLORIDE UPTAKE
468. KLEIN, R. M.; BROWN, S. J. EFFECT OF BORATE EXCESS AND CALCIUM ION ON MITOSIS OF PEA ROOT-TIP MERISTEM CELLS. ENVIRON. EXP. BOT. 22: 199-202. 1982. PEA LEGUMINOSAE: PISUM SATIVUM VERMICULITE, GERMINATION DISHES BORON MITOTIC ACTIVITY
469. KOCHBA, J.; SPIEGEL-RAY, P.; SAAD, S. SELECTION FOR TOLERANCE OF SODIUM CHLORIDE (NaCl) AND 2,4-DICHLOROPHENOXYACETIC ACID (2,4-D) IN OLIVULAR CALLUS LINES OF CITRUS SINENSIS. IN: PLANT CELL CULTURES: RESULTS AND PERSPECTIVES. ELSEVIER/NORTH HOLLAND BIOMEDICAL PRESS. F. SALA, B. PARISI, R. CELLA, O. CIFERRI (EDS.). 6 P. 1980. ORANGE, SWEET RUTACEAE: CITRUS SINENSIS WATER CULTURE SODIUM, CHLORIDE, DICHLOROPHENOXYACETIC ACID SALT TOLERANCE, GENETIC INTERACTION
470. KORKOR, S. A.; HILAL, M. H. THE USE OF SALINE WATER FOR IRRIGATING WHEAT CROP EGYPT J. SOIL SCI. SPECIAL ISSUE: 237-244. 1975. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CALCIUM, CHLORIDE STRAW YIELD, GRAIN YIELD, GERMINATION
471. KORKOR, S. A.; HILLAL, M. H. USE OF SALINE WATER FOR IRRIGATING WHEAT CROP. AGROCHIMICA 20: 233-238. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT, IRRIGATION METHOD SODIUM, CHLORIDE GRAIN YIELD, STRAW YIELD, GERMINATION
472. KRAPPENBAUER, A.; GLATZEL, G.; WU, Z. H. DAMAGE TO TREES BY DEICING SALTS. CAN SCIENTIFIC RESEARCH HELP TO SAVE THE TREES IN OUR CITIES (GER; ENG SUM). BODENKULTUR 25: 54-62. 1974. TREE SOIL DEICING SALT LEAF INJURY, CHLORIDE UPTAKE, SODIUM UPTAKE

473. KRASNOOK, N. R.; TUR, N. S. EFFECT OF SOIL SALINITY ON ACTIVITY OF CELL ORGANELLES IN RICE. SOVIET PLANT PHYSIOL. 15:310-311. 1968. RICE GRAMINEAE: ORYZA SATIVA SALINE SOIL OXYGEN ABSORPTION, TILLERING, PHOSPHORUS UPTAKE
474. KUIPER, P. J. C. LIPID METABOLISM OF HIGHER PLANTS IN SALINE ENVIRONMENTS. PHYSIOL. VEG. 18: 83-88. 1980. LIPID COMPOSITION, LIPID METABOLISM
475. KULIAGINA, G. A. STUDIES OF NEW VARIETIES OF SOYBEAN UNDER IRRIGATION ON SALINE LANDS OF DAGESTAN. (RUS.). BIUL. NAUCHNO-TEKH. INF. MASLICHN. KUL'T. 16-19. 1979. SOYBEAN LEGUMINOSAE: GLYCINE MAX FIELD PLOT SALINE SOIL VEGETATIVE GROWTH, SEED YIELD, SEED WEIGHT, HEIGHT
476. KUMAR, A.; ABROL, I. P. DRY MATTER, CRUDE PROTEIN AND CHEMICAL COMPOSITION OF 5 PERENNIAL FORAGE GRASSES AS INFLUENCED BY GYPSUM LEVELS IN A HIGHLY SODIC SOIL. INDIAN J. AGRIC. SCI. 49: 535-541. 1979. MILLET, PEARL; NAPIER GRASS; BERMUDA GRASS; SIGNAL GRASS; BRISTLE GRASS; GUINEA GRASS GRAMINEAE: PENNISETUM PURPUREUM, PENNISETUM AMERICANUM, BRACHIARIA MUTICA, SETARIA SPHACCLATA, PANICUM MAXIMUM, CYNODON DACTYLON FIELD GYPSUM, CALCIUM, SULFATE VEGETATIVE GROWTH, PROTEIN, MINERAL COMPOSITION
477. KUMAR, A.; ABROL, I. P. GROW BERMUDA AND PARA GRASSES ON ALKALI SOILS. INDIAN FARMING 29: 22-23. 1979. NAPIER GRASS; MILLET, PEARL; SIGNAL GRASS; GUINEA GRASS; BERMUDA GRASS GRAMINEAE: PENNISETUM PURPUREUM, PENNISETUM AMERICANUM, BRACHIARIA MUTICA, SETARIA SPHACCLATA, PANICUM MAXIMUM, CYNODON DACTYLON FIELD GYPSUM, CALCIUM, SULFATE VEGETATIVE GROWTH, EXCHANGEABLE SODIUM PERCENTAGE
478. KUMAR, A.; ABROL, I. P. PERFORMANCE OF FIVE PERENNIAL FORAGE GRASSES AS INFLUENCED BY GYPSUM LEVELS IN A HIGHLY SODIC SOIL. INDIAN J. AGRIC. SCI. 49: 473-477. 1979. NAPIER GRASS; SIGNAL GRASS; BRISTLE GRASS; GUINEA GRASS; BUNCH GRASS; BERMUDA GRASS; MILLET, PEARL GRAMINEAE: PENNISETUM PURPUREUM, PENNISETUM AMERICANUM, BRACHIARIA MUTICA, SETARIA SPHACCLATA, PANICUM MAXIMUM, CENCHRUS CILIARIS, CYNODON DACTYLON SOIL, FIELD PLOT GYPSUM, CALCIUM, SULFATE VEGETATIVE GROWTH, EXCHANGEABLE SODIUM PERCENTAGE
479. KUMAR, A.; ABROL, I. P.; DARGAN, K. S. EFFECT OF SPACING, ZINC AND GYPSUM ON THE FORAGE YIELD OF PARA-GRASS GROWN ON A HIGHLY SODIC SOIL. INDIAN J. AGR. SCI. 51: 786-791. 1981. PARA-GRASS GRAMINEAE: BRACHIARIA MUTICA FIELD, SOIL GYPSUM, ZINC YIELD, VEGETATIVE GROWTH
480. KUMAR, D.; CHAUHAN, R. P. S.; SINGH, R. V. SALT TOLERANCE OF SOME INDUCED MUTANTS OF 'HB 2009' WHEAT. INDIAN J. AGR. SCI. 51: 475-479. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, SOIL, FIELD PLOT, SALINE WATER SODIUM, CHLORIDE, CALCIUM GERMINATION, HEIGHT, VEGETATIVE GROWTH, TILLERING
481. KUMAR, V.; SINGH, V. P. EFFECT OF SOME SODIUM SALTS ON THE GROWTH AND YIELD OF WHEAT. CURR. AGRIC. 3: 103-108. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, TILLERING, LEAF FREQUENCY, HEIGHT, GRAIN YIELD, STRAW YIELD
482. KUMAR, V.; SINGH, V. P. SALT TOLERANCE OF TRITICALE PLANT AS JUDGED BY THE GROWTH AND YIELD OF THE CROP. CURR. AGRIC. 4: 43-46. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SOIL, POT CHLORIDE, SODIUM VEGETATIVE GROWTH, YIELD, HEIGHT, LEAF FREQUENCY

483. KURAMOTO, R. T.; BREST, D. E. PHYSIOLOGICAL RESPONSE TO SALINITY BY FOUR SALT MARSH PLANTS. BOT. GAZ. 140: 295-298. 1979. SALTWORT; GLASSWORT; CORDGRASS; SALTGRASS GRAMINEAE: SPARTINA FOLIOSA, DISTICHLIS SPICATA; CHENOPODIACEAE: SALICORNIA EUROPAEA; BATIDACEAE: BATIS MARITIMA GREENHOUSE, WATER CULTURE SALINE WATER PHOSPHOENOL PYRUVATE CARBOXYLASE, PHOTOSYNTHESIS, RESPIRATION
484. LABANAUSKAS, C. K.; BINGHAM, F. T.; CERDA, A. FREE AND PROTEIN AMINO ACIDS, AND NUTRIENT CONCENTRATIONS IN WHEAT GRAIN AS AFFECTED BY PHOSPHORUS NUTRITION AT VARIOUS SALINITY LEVELS. PLANT SOIL 49: 581-593. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM WATER CULTURE, GREENHOUSE PHOSPHORUS, SODIUM, CHLORIDE MINERAL COMPOSITION, GRAIN YIELD, AMINO ACID, GLYCINE, PROLINE
485. LABANAUSKAS, C. K.; STOLZY, L. H.; HANDY, M. F. PROTEIN AND FREE AMINO ACIDS IN WHEAT GRAIN AS AFFECTED BY SOIL TYPES AND SALINITY LEVELS IN IRRIGATION WATER. PLANT SOIL 59: 299-316. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM LYSIMETER, SOIL SALINE WATER, SOIL TYPE, MOISTURE CONTENT YIELD, SEED WEIGHT, PROTEIN, AMINO ACID
486. LACHINA, N. I. APPROXIMATE DETERMINATION OF THE PRODUCTIVITY OF WINTER WHEAT AND BARLEY IN RELATION TO THE DEGREE OF SOIL SALINITY. (RUS). DOKL. VSES. ORDENA LENINA AKAD S-KH NAUK IM V. I. LENINA 10: 41-43. 1977. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE FIELD PLOT SODIUM, SULFATE, CHLORIDE, CALCIUM, MAGNESIUM GRAIN YIELD
487. LADIGES, P. Y.; FOORD, P. C.; WILLIS, R. J. SALINITY AND WATERLOGGING TOLERANCE OF SOME POPULATIONS OF MELALEUCA ERICIFOLIA SMITH. AUST. J. ECOL. 6: 203-215. 1981. PAPERBARK, SWAMP MYRTACEAE: MELALEUCA ERICIFOLIA WATER CULTURE SEA WATER GERMINATION, ROOT GROWTH
488. LAKIZA, R. I.; EFIMOV, I. T. EFFECT OF MOISTURE RESERVES AND SOIL SALINITY ON THE GERMINATION OF CORN SEEDS. (RUS; ENG SUM). POCHVOVEDENIE 7: 162-167. 1978. CORN GRAMINEAE: ZEA MAYS POT SALINE SOIL, SULFATE GERMINATION
489. LAM, H.; MCLEAN, E. O. EFFECTS OF SALTS ON DRY MATTER YIELD AND NITROGEN AND PHOSPHORUS CONTENTS OF RICE PLANTS. SOIL SCI. PLANT ANAL. 10: 969-979. 1979. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, SOIL, POT SODIUM, CHLORIDE, SULFATE, BICARBONATE, CALCIUM, PHOSPHORUS, NITROGEN, MAGNESIUM VEGETATIVE GROWTH, NITROGEN UPTAKE, PHOSPHORUS UPTAKE
490. LAMBERS, H.; BLACQUIERE, T.; STUIVER, B. INTERACTIONS BETWEEN OSMOREGULATION AND THE ALTERNATIVE RESPIRATORY PATHWAY IN PLANTAGO CORONOPUS AS AFFECTED BY SALINITY. PHYSIOL. PLANT. 51: 63-68. 1981. PLANTAIN PLANTAGINACEAE: PLANTAGO CORONOPUS VERNICULITE, GREENHOUSE, WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, RESPIRATION, CARBOHYDRATE, SORBITOL
491. LANGECKER, W.; SALEM, S.; BARTOLOMAEUS, W. UNTERSUCHUNGSERGEBNISSE UBER DIE AUSWIRKUNG SALZHALTIGEN GRUNDWASSERS AUF ERTAG UND INHALTSSTOFFE VON GRAS-KLEE-GEWISCHEN. THE EFFECT OF SALINE GROUNDWATER ON YIELD AND COMPOSITION OF CLOVER-GRASS MIXTURES. (GER; ENG SUM). ARCH ACKER-U. PFLAN. BODENKD. 19: 745-754. 1975. CLOVER, LADINO; CLOVER, RED; RYEGRASS, PERENNIAL; BLUEGRASS, KENTUCKY; FESCUE, MEADOW LEGUMINOSAE: TRIFOLIUM REPENS, TRIFOLIUM PRATENSE; GRAMINEAE: LOLIUM PERENNE, POA PRATENSIS, FESTUCA PRATENSIS FIELD, SOIL SALINE WATER, NITROGEN PROTEIN, VEGETATIVE YIELD, MINERAL COMPOSITION, SALT TOLERANCE
492. LANGILLE, A. R. EFFECT OF DATE AND METHOD OF APPLICATION ON RADIOACTIVE SODIUM CONTENT OF WHITE SPRUCE AND AMERICAN

- ARBORVITAE HORTSCIENCE 13:294-295. 1978. ARBORVITAE, AMERICAN; SPRUCE, WHITE CUPRESSACEAE: THUJA OCCIDENTALIS; PINACEAE: PICEA GLAUCA POT, SOIL SODIUM, CHLORIDE, SALT SPRAY, SURFACE IRRIGATION SODIUM UPTAKE
493. LAPINA, L. P.; SOGOLOVA, T. A. CHANGES IN THE CONTENT OF MINERAL NUTRIENTS IN THE SUNFLOWER UNDER SALINIZATION WITH SODIUM SULFATE. (RUS). AGROKHIMIYA 1: 79-84. 1981. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS SODIUM, CHLORIDE ION UPTAKE, MINERAL COMPOSITION, ION CONTENT
494. LAPINA, L. P.; SOGOLOVA, T. V.; STROGONOV, B. P. LOCALIZATION OF CHLORINE IN GLYCOPHYTES AND HALOPHYTES UNDER CONDITIONS OF SALINIZATION. SOV. PLANT PHYSIOL. 27: 212-220. 1980. BEAN, KIDNEY; SUNFLOWER; SAMPHIRE LEGUMINOSAE: PHASEOLUS VULGARIS; COMPOSITAE: HELIANTHUS ANNUUS; CHENOPODIACEAE: SALICORNIA EUROPAEA, KOCHIA AMERICANA GREENHOUSE, SOIL, POT, WATER CULTURE SODIUM, CHLORIDE CHLORIDE UPTAKE
495. LAPINA, L. P.; STROGONOV, B. P. LOCALIZATION OF SALTS IN CELLS IN RELATION TO THE ADAPTATION OF PLANTS TO CONDITIONS OF SALINIZATION. (RUS).. USP SOVREN. BIOL. 88: 93-107. 1979.
496. LAPUCCI, P. L.; GELLINI, R.; PAIERO, P. CONTAMINAZIONE CHIMICA DELL'ACQUA MARINA QUALE CAUSA DI MORIA DEI PINI LUNGO LE COSTE TIRRENICHE. CHEMICAL CONTAMINATION BY SEA WATER AS A FACTOR FOR PINES ALONG THE TIRRENICHE SHORE (ITA). ANN. ACAD. SCI. ITAL. FORR. 21: 323-358. 1972. PINE, ITALIAN STONE PINACEAE: PINUS PINEA FIELD, SOIL SALT SPRAY ECOLOGY, CHLORIDE UPTAKE, BORON UPTAKE
497. LATIF, A. EVALUATION OF SOME COTTON VARIETIES FOR SALT TOLERANCE. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 202-209. MALVACEAE: GOSSYPIUM HIRSUTUM, GOSSYPIUM ARBOREUM POTS, FIELD PLOT, GERMINATION DISH SODIUM, CHLORIDE GERMINATION, ROOT GROWTH, HEIGHT, NODULATION, VEGETATIVE GROWTH, YIELD, FIBER QUALITY
498. LAUCHLI, A.; STELTER, W. SALT TOLERANCE OF COTTON GENOTYPES IN RELATION TO K/NA-SELECTIVITY. IN: BIOSALINE RESEARCH. A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 511-514. 1982. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM SODIUM, CHLORIDE, POTASSIUM SODIUM UPTAKE, SALT TOLERANCE, POTASSIUM UPTAKE, CHLORIDE UPTAKE
499. LAUCHLI, A.; WIENEKE, J. STUDIES ON GROWTH AND DISTRIBUTION OF Na^+ , K^+ AND Cl^- IN SOYBEAN VARIETIES DIFFERING IN SALT TOLERANCE. Z. PFLANZENNAHR. BODENKD. 142: 3-13. 1979. SOYBEAN LEGUMINOSAE: GLYCINE MAX GREENHOUSE SODIUM, CHLORIDE, VARIETY VEGETATIVE GROWTH, POTASSIUM UPTAKE, SODIUM UPTAKE, CHLORIDE UPTAKE
500. LAUTER, D. J.; MUNNS, D. N.; CLARKIN, K. L. SALT RESPONSE OF CHICKPEA AS INFLUENCED BY N SUPPLY. AGRON. J. 73: 961-966. 1981. PEA, CHICK LEGUMINOSAE: CICER ARIETINUM GREENHOUSE, SAND SODIUM, CHLORIDE, NITRATE RHIZOBIUM, NODULATION, ROOT GROWTH, SODIUM UPTAKE
501. LAVADO, R. S. PRODUCCION DE LA CEBADA (HORDEUM VULGARE L.) EN SUELOS SALINO-ALCALINOS DEL VALLE INFERIOR DEL RIO NEGRO. I. GERMINACION Y LIMITE DE TOLERANCIA A LAS SALES. BARLEY PRODUCTION IN SALINE-ALKALINE SOILS OF THE LOWER VALLEY OF RIO NEGRO. I. GERMINATION AND TOLERANCE LIMIT TO SALINITY. (SPA; ENG SUM) REVISTA INVEST. AGROP., INTA, BUENOS AIRES, CLIMA Y SUELO 10: 211-216. 1973. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT, SOIL SALINE SOIL GERMINATION, VEGETATIVE GROWTH

502. LAVADO, R. S. PRODUCCION DE LA CEBADA (HORDEUM VULGARE L.) EN SUELOS SALINO-ALCALINOS DEL VALLE INFERIOR DEL RIO NEGRO. II. INFLUENCIA DEL NITROGENO EN LA PRODUCCION. BARLEY PRODUCTION IN SALINE-ALKALINE SOILS OF THE LOWER VALLEY OF RIO NEGRO. II. NITROGEN INFLUENCE IN PRODUCTION (SPA; ENG SUM). REVISTA INVEST. AGROP, INTA, BUENOS AIRES, CLIMA Y SUELO 10: 217-221. 1973. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT, SOIL SALINE SOIL VEGETATIVE GROWTH
503. LAVADO, R. S. SENSIBILIDAD DEL MAIZ DE GUINEA A LA SALINIDAD DE UN SUELO DEL VALLE INFERIOR DEL RIO NEGRO. SENSITIVITY OF GUINEA CORN TO SALINE SOIL IN THE LOWER VALLEY OF THE RIO NEGRO (SPA). INST. NAC. TECH. AGROP. CENTRO INVEST. RECUR. NAT. SUELOS-TIRADA INTERN. BUENOS AIRES. 53: 5-14. 1970. BROOMCORN GRAMINEAE: SORGHUM BICOLOR, SORGHUM TECHNICUM FIELD PLOT, SOIL SALINE SOIL VEGETATIVE GROWTH
504. LAVADO, R.; PASCUALI, J.; HEVIA, R.; FRIGERIO, F. CONTRIBUCION AL CONOCIMIENTO DE LA TOLERANCIA A LAS SALES DE ALGUNAS ESPECIES Y CULTIVARES DE PASTO LLORON. CONTRIBUTION OF THE KNOWLEDGE OF SAT TOLERANCE OF SEVERAL "WEeping LOVEGRASS" SPECIES AND CULTIVARS. (SPA; ENG SUM). DIA SUP. 33: 693-695. 1976. LOVEGRASS, WEEPING GRAMINEAE: ERAGROSTIS CURVULA GERMINATION DISH, POT, GREENHOUSE SODIUM, CHLORIDE, CALCIUM SALT TOLERANCE, GERMINATION, YIELD
505. LE CLERC, J. A.; BREAZEALE, J. F. EFFECT OF LIME UPON THE SODIUM-CHLORIDE TOLERANCE OF WHEAT SEEDLINGS. J. AGRIC. RES. 18: 347-356. 1920. WHEAT GRAMINEAE: TRITICUM AESTIVUM WATER CULTURE, SAND, SOIL, POT SODIUM, CHLORIDE, CALCIUM, SULFATE, MAGNESIUM, BICARBONATE, OXYGEN, NITRATE, BARIUM, IRON, PHOSPHATE, VEGETATIVE GROWTH, CHLORIDE UPTAKE
506. LESHEM, B. TOXIC EFFECTS OF CARBOWAXES (POLYETHYLENE GLYCOLS) ON PINUS HALEPENSIS MILL. SEEDLINGS. PLANT SOIL 24: 322-323. 1966. PINE, ALEPPO PINACEAE: PINUS HALEPENSIS WATER CULTURE, POT POLYETHYLENE GLYCOL ROOT GROWTH, SHOOT GROWTH
507. LESSANI, H.; MARSCHNER, H. RELATION BETWEEN SALT TOLERANCE AND LONG DISTANCE TRANSPORT OF SODIUM AND CHLORIDE IN VARIOUS CROP SPECIES. AUST. J. PLANT PHYSIOL. 5: 27-37. 1978. BEAN; PEPPER; CORN; BEET, SUGAR; SUNFLOWER; SAFFLOWER; CRESS LEGUMINOSAE: PHASEOLUS VULGARIS; SOLANACEAE: CAPSICUM ANNUUM; GRAMINEAE: ZEA MAYS; CHENOPODIACEAE: BETA VULGARIS; COMPOSITAE: HELIANTHUS ANNUUS, CARTHAMUS TINCTORIUS; CRUCIFERAE: LEPIDIUM SATIVUM POT, GREENHOUSE, SAND SODIUM, CHLORIDE MINERAL COMPOSITION, VEGETATIVE YIELD, SODIUM UPTAKE, CHLORIDE UPTAKE
508. LEVY, Y.; SHALHEVET, J.; BIELORAI, H. EFFECT OF IRRIGATION REGIME AND WATER SALINITY ON GRAPEFRUIT QUALITY. J. AMER. SOC. HORT. SCI. 104: 356-359. 1979. GRAPEFRUIT RUTACEAE: CITRUS PARADISI SOIL, FIELD PLOT SALINE WATER, SODIUM, CHLORIDE FRUIT QUALITY, PERCENT JUICE
509. LINTHURST, R. A.; BLUM, U. GROWTH MODIFICATIONS OF SPARTINA ALTERNIFLORA LOISEL. BY THE INTERACTION OF PH AND SALINITY UNDER CONTROLLED CONDITIONS. J. EXP. MAR. BIOL. ECOL. 55: 207-218. 1981. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA GREENHOUSE, SAND AERATION, PH, SALINE WATER VEGETATIVE GROWTH, MINERAL COMPOSITION
510. LINTHURST, R. A.; SENECA, E. D. AERATION, NITROGEN AND SALINITY AS DETERMINANTS OF SPARTINA ALTERNIFLORA LOISEL. GROWTH RESPONSE. ESTUARIES 4: 53-63. 1981. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA GREENHOUSE, POT, SOIL SEA WATER, AERATION, NITROGEN VEGETATIVE GROWTH, HEIGHT

511. LLERENA, V. F. A. EVALUACION DE LA TOLERANCIA A LAS SALES DE DOCE VARIEDADES DE TRIGO. EVALUATION OF SALT TOLERANCE OF TWELVE WHEAT VARIETIES. (SPA). MEMO TEC. MEX DIR. GEN DIST. RIEGO. 365: 29-56. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL VARIETY, SALINE SOIL GRAIN YIELD, SEED WEIGHT
512. LOMAS, J.; GAT, Z. THE EFFECT OF WINDBORNE SALT ON CITRUS PRODUCTION NEAR THE SEA IN ISRAEL. AGRIC. METEOROL. 4: 415-425. 1967. ORANGE RUTACEAE: CITRUS FIELD, SOIL SALT SPRAY FRUIT YIELD
513. LONGSTRETH, D. J.; NOBEL, P. S. SALINITY EFFECTS ON LEAF ANATOMY. PLANT PHYSIOL. 63: 700-703. 1979. BEAN; COTTON LEGUMINOSAE: PHASEOLUS VULGARIS; MALVACEAE: GOSSYPIMUM HIRSUTUM; CHENOPODIACEAE: ATRIPLEX PATULA SSP HASTATA WATER CULTURE ANATOMY, LEAF THICKNESS, LEAF SUCCULENCE, VEGETATIVE GROWTH, MESOPHYLL CELL DIMENSIONS, STOMATAL RESISTANCE, CARBON DIOXIDE EXCHANGE
514. LONGSTRETH, D. J.; STRAIN, B. R. EFFECTS OF SALINITY AND ILLUMINATION ON PHOTOSYNTHESIS AND WATER BALANCE OF SPARTINA ALTERNIFLORA LOISEL. OECOLOGIA 31:191-199. 1977. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA SAND LIGHT, SEA WATER GAS EXCHANGE, CARBON DIOXIDE FIXATION
515. LUCERO, J. C. GERMINACION DE CUATRO GRAMINEAS FORRAJERAS BAJO DISTINTAS CONDICIONES DE SALINDAD. GERMINATION OF FOUR GRASSES UNDER DIFFERENT SALINITY LEVELS. (SPA; ENG SUM). IDIA 273: 60-64. 1970. FESCUE, REED; BROMEGRASS; WHEATGRASS; WHEATGRASS, TALL GRAMINEAE: FESTUCA ELATIOR, BROMUS PARODII, AGROPYRON SCABRIFOLIUM, AGROPYRON ELONGATUM GERMINATION DISH SODIUM, CHLORIDE, CALCIUM GERMINATION
516. LUGUE, A. A.; BINGHAM, F. T. THE EFFECT OF THE OSMOTIC POTENTIAL AND SPECIFIC ION CONCENTRATION OF THE NUTRIENT SOLUTION ON THE UPTAKE AND REDUCTION OF NITRATE BY BARLEY SEEDLINGS. PLANT SOIL 63: 227-237. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM NITRATE UPTAKE, OSMOTIC POTENTIAL, MINERAL COMPOSITION, TRANSPIRATION
517. MAAS, E. V.; CLARK, R. A.; FRANCOIS, L. E. SPRINKLING-INDUCED FOLIAR INJURY TO PEPPER PLANTS: EFFECTS OF IRRIGATION FREQUENCY, DURATION AND WATER COMPOSITION. IRRIG. SCI. 3: 101-109. 1982. PEPPER, BELL SOLANACEAE: CAPSICUM ANNUUM GREENHOUSE, POT SODIUM, CHLORIDE, CALCIUM, SPRINKLER IRRIGATION CHLOROSIS, NECROSIS, FOLIAR INJURY
518. MAAS, E. V.; NIEMAN, R. H. PHYSIOLOGY OF PLANT TOLERANCE TO SALINITY. IN: CROP TOLERANCE TO SUBOPTIMAL LAND CONDITIONS, G. A. JUNG (ED.), AMER. SOC. AGRON. SPEC. PUB. 32 CHAPT. 13: 277-299. 1978.
519. MAC DONALD, J. D. EFFECT OF SALINITY STRESS ON THE DEVELOPMENT OF PHYTOPHTHORA ROOT ROT OF CHRYSANTHEMUM. PHYTOPATHOLOGY 72: 214-219. 1982. CHRYSANTHEMUM COMPOSITAE: CHRYSANTHEMUM MORIFOLIUM POT SODIUM, CHLORIDE, PHYTOPHTHORA ROOT ROT VEGETATIVE GROWTH, ROOT GROWTH
520. MAFTOUN, M.; SEPASKHAH, A. R. EFFECT OF TEMPERATURE AND OSMOTIC POTENTIAL ON GERMINATION OF SUNFLOWER AND SAFFLOWER AND ON HORMONE-TREATED SUNFLOWER SEEDS. CAN. J. PLANT SCI. 58: 295-301. 1978. SUNFLOWER; SAFFLOWER COMPOSITAE: HELIANTHUS ANNUUS, CARTHAMUS TINCTORIUS GERMINATION DISH, GROWTH CHAMBER NATRIUM, CHLORIDE, TEMPERATURE GERMINATION, OSMOTIC POTENTIAL
521. MAFTOUN, M.; SHEIBANY, B. EFFECT OF FLUORINE CONTENT OF IRRIGATION WATER ON THE GROWTH OF FOUR PLANT SPECIES IN

- RELATION TO SOIL SALINITY. TROP. AGR. 56: 213-218. 1979. CORN; SUNFLOWER; SOYBEAN; BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA, GLYCINE MAX; GRAMINEAE: ZEA MAYS; COMPOSITAE: HELIANTHUS ANNUUS SOIL, POT FLUORINE, SODIUM, CHLORIDE ROOT GROWTH, VEGETATIVE GROWTH
522. MAHAJAN, T. S.; SONAR, K. R. EFFECT OF SODIUM CHLORIDE AND SODIUM SULFATE ON DRY MATTER ACCUMULATION AND UPTAKE OF NITROGEN, PHOSPHORUS AND POTASSIUM BY WHEAT. J. MAHARASHTRA AGRIC. UNIV. 5: 110-112. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, SODIUM UPTAKE, PHOSPHORUS UPTAKE, POTASSIUM UPTAKE, GRAIN YIELD, STRAW YIELD
523. MAHALL, B. E.; PARK, R. B. THE ECOTONE BETWEEN SPARTINA FOLIOSA TRIN. AND SALICORNIA VIRGINICA L. IN SALT MARSHES OF NORTHERN SAN FRANCISCO BAY. II. SOIL WATER AND SALINITY. J. ECOL. 64: 793-809. 1976. CORDGRASS; GLASSWORT GRAMINEAE: SPARTINA FOLIOSA; CHENOPODIACEAE: SALICORNIA VIRGINICA WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, TRANSPIRATION
524. MAHMOUD, E. A.; HILL, M. J. SALT TOLERANCE OF SUGAR BEET (BETA VULGARIS L.) AT VARIOUS TEMPERATURES. Z. ACKER PFLANZEN. 149: 157-166. 1980. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SAND, POT SODIUM, CHLORIDE, TEMPERATURE, SEED PRETREATMENT GERMINATION, SEEDLING GROWTH, EMERGENCE
525. MAIER, M.; KAPPEN, L. CELLULAR COMPARTMENTALIZATION OF SALT IONS AND PROTECTIVE AGENTS WITH RESPECT TO FREEZING TOLERANCE OF LEAVES. OECOLOGIA 38: 303-316. 1979. GRASS GRAMINEAE: HALIMIONE PORTULACOIDES POT, SAND, GREENHOUSE SODIUM, CHLORIDE COLD HARDINESS
526. MAKHDUM, M. I.; MUHAMMED, S. SALT TOLERANCE STUDIES ON 3 VARIETIES OF SUNFLOWER PAK. J. SCI. RES. 23:49-54. 1971. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS POT, SOIL SODIUM, CALCIUM, CHLORIDE, SULFATE, MAGNESIUM, VARIETY GERMINATION, VEGETATIVE GROWTH, GRAIN YIELD, FLOWER SIZE
527. MALAKONDAIAH, N.; RAJESWARARAO, G. CHANGES IN NITROGEN FRACTIONS AND CARBOHYDRATES BY FOLIAR APPLICATION OF PHOSPHORUS UNDER SALT STRESS IN PEANUT PLANTS (ARACHIS HYPOGAEA L.). TURRIALBA 30: 197-202. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SAND PHOSPHATE, CHLORIDE VEGETATIVE GROWTH, NITROGEN, PROTEIN NITROGEN, SUGAR, STARCH, CARBOHYDRATE
528. MALAKONDAIAH, N.; RAJESWARARAO, G. EFFECT OF FOLIAR APPLICATION OF PHOSPHORUS ON GROWTH AND MINERAL COMPOSITION IN PEANUT PLANTS (ARACHIS HYPOGAEA L.) UNDER SALT STRESS. PLANT SOIL 52: 41-48. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SAND SODIUM, CHLORIDE, PHOSPHATE VEGETATIVE GROWTH, YIELD, SODIUM UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE, PHOSPHORUS UPTAKE
529. MALAKONDAIAH, N.; RAJESWARARAO, G. EFFECT OF FOLIAR APPLICATION OF PHOSPHORUS ON RNA AND DNA UNDER SALT-STRESS IN PEANUT PLANTS (ARACHIS HYPOGAEA L.). PLANT AND SOIL 53: 251-253. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SAND PHOSPHORUS, SODIUM, CHLORIDE RIBONUCLEIC ACID, DESOXYRIBONUCLEIC ACID
530. MALCOLM, C. V. REDUCING SALT DAMAGE FROM SPRINKLER IRRIGATION CALIF. CITROG. 52:122, 124-125. 1967. CITRUS SPRINKLER IRRIGATION, SALINE WATER

531. MALIWAL, G. L. A KULONBOZO MINOSEGU ONTOZOVIZ HATASA A PARADICSOM TERMESERE, KEMIAI OSSZETETELERE ES A MINOSEGERE. YIELD, CHEMICAL COMPOSITION AND QUALITY OF TOMATO AS AFFECTED BY DIFFERENT QUALITY IRRIGATION WATER. (HUN; ENG SUM). AGROKEMIA ES TALAJTAN 24: 53-60. 1975. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM FIELD SODIUM, CHLORIDE, CALCIUM FRUIT YIELD, MINERAL UPTAKE, PROTEIN, CARBOHYDRATE, VEGETATIVE GROWTH
532. MALIWAL, G. L.; PALIWAL, K. V. SALT TOLERANCE STUDIES ON SOME VARIETIES OF MAIZE AT GERMINATION STAGE. SCI. CULT. 38: 446-447. 1972. CORN GRAMINEAE: ZEA MAYS GERMINATION DISH SODIUM, CHLORIDE GERMINATION, EMERGENCE
533. MANCHANDRA, H. R.; SHARMA, S. K. DIFFERENTIAL EFFECTS OF CHLORIDE AND SULPHATE SOIL SALINITY IN CHICKPEA. IN: INTERNATIONAL CHICKPEA NEWSLETTER. 3: 7-8. 1980. PEA, CHICK LEGUMINOSAE: CICER ARIETINUM GREENHOUSE, SAND, POT SODIUM, SULFATE, CALCIUM YIELD, VEGETATIVE GROWTH
534. MANGAL, J. L.; SINGH, K.; GUPTA, U. S. EFFECT OF SODIUM SALTS ON EMERGENCE AND GROWTH OF OKRA (ABELMOSCHUS ESCULENTUS (L.) MOENCH) VARIETIES. CURR. AGRIC. 2: 69-72. 1978. OKRA MALVACEAE: ABELMOSCHUS ESCULENTUS POT, SOIL SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, LEAF FREQUENCY, HEIGHT, EMERGENCE, ROOT GROWTH
535. MANIS, W. E.; KNIGHT, R. J., JR., SALT-HAZE TOLERANCE OF MANGO CULTIVARS AT THE U. S. PLANT INTRODUCTION STATION, MIAMI, FLORIDA. PROC. AMER. SOC. HORT. SCI., TROP. REGION 11:121-130. 1968. MANGO ANACARDIACEAE: MANGIFERA INDICA FIELD, SOIL SALT SPRAY, SEA WATER VISUAL SYMPTOMS
536. MARGOLINA, K. P. PRE-SOWING RAISING OF SALT TOLERANCE OF SUGARBEET. (RUS). TR. IN-TA FIZIOL RAST. IM K. A. TRIMIRYAZEVA AN SSSR. VII VYPI: 202-219 19 50. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SEED PRETREATMENT, SODIUM, CHLORIDE GERMINATION, WATER CONTENT, PHOTOSYNTHESIS, TRANSPIRATION, CHLOROPHYLL, BEET YIELD
537. MARLATT, R. B. BORON DEFICIENCY AND TOXICITY SYMPTOMS IN FICUS ELASTICA 'DECORA' AND CHRYSALIDOCARPUS LUTESCENS. HORT. SCI. 13: 442-443. 1978. RUBBER PLANT; YELLOW PALM MORACEAE: FICUS ELASTICA; PALMAE: CHRYSALIDOCARPUS LUTESCENS SAND, POT BORON LEAF INJURY
538. MAROUSKY, F. J. SYMPTOMOLOGY OF FLUORIDE AND BORON INJURY IN LILIUM LONGIFLORUM THUNB. J. AMER. SOC. HORT. SCI. 106: 341-344. 1981. LILY, TRUMPET LILIACEAE: LILIUM LONGIFLORUM POT, SOIL, GREENHOUSE FLUORIDE, BORON, DICALCIUM PHOSPHATE, SUPERPHOSPHATE LEAF INJURY, HEIGHT, FLOWERING, FLUORIDE UPTAKE, BORON UPTAKE
539. MARSCHNER, H.; KUIPER, P. J. C.; KYLIN, A. GENOTYPIC DIFFERENCES IN THE RESPONSE OF SUGAR BEET PLANTS TO REPLACEMENT OF POTASSIUM BY SODIUM. PHYSIOL. PLANT. 51: 239-244. 1981. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS WATER CULTURE SODIUM, POTASSIUM, VARIETY VEGETATIVE GROWTH, CARBOHYDRATE REDUCING SUGAR, SUCROSE, STARCH
540. MARSCHNER, H.; KYLIN, A.; KUIPER, P. J. C. DIFFERENCES IN SALT TOLERANCE OF THREE SUGAR BEET GENOTYPES. PHYSIOL. PLANT. 51: 234-238. 1981. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS WATER CULTURE SODIUM, CHLORIDE, VARIETY VEGETATIVE GROWTH, MINERAL COMPOSITION, ROOT GROWTH, SHOOT GROWTH
541. MARTY, R. S.; PATWARDHAN, N. K. DEFICIENCY, STIMULATION AND TOXIC EFFECTS OF BORON AND MANGANESE ON TOBACCO. J. INDIAN SOC. SOIL SCI. 12:423-429. 1964. TOBACCO SOLANACEAE: NICOTIANA TABACUM WATER CULTURE, SAND CULTURE, POT BORON, MANGANESE TOXICITY SYMPTOM

542. MARX, J. L. PLANTS: CAN THEY LIVE IN SALT WATER AND LIKE IT? SCIENCE 206: 1168-1169. 1979. SALINE SOIL, SALINE WATER SALT TOLERANCE, GENETIC INTERACTION
543. MASCARENHAS, H. A. A.; FALIVENE, S. M. P.; HIROCE, R.; MANFREDINI, S.; ANGELOCCI, L. R. EFEITOS DA SALINIDADE DO SOLO SOBRE DOIS CULTIVARES DE SOJA. SOIL SALINITY EFFECTS ON TWO SOYBEANS CULTIVARS. (POR; ENG SUM). REVISTA BRASILEIRA DE CIENCIA DO SOLO 5: 105-109. 1981. SOYBEAN LEGUMINOSAE: GLYCINE MAX GREENHOUSE SODIUM, CHLORIDE CHLOROSIS, VEGETATIVE GROWTH
544. MASHHADY, A. S.; ROWELL, D. L. SOIL ALKALINITY. II. THE EFFECTS OF Na_2CO_3 ON IRON AND MANGANESE SUPPLY TO TOMATOES. J. SOIL SCI. 29:367-372. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SAND, GREENHOUSE SODIUM, CARBONATE, IRON, MANGANESE, FOLIAR SPRAY VEGETATIVE GROWTH
545. MASKINA, M. S.; SAINI, S. S.; SHAHI, H. N. SCREENING OF RICE GERMPLASM FOR TOLERANCE TO ALKALINITY. INDIAN J. AGRIC. SCI. 49: 659-663. 1979. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT SODIUM, CHLORIDE YIELD, VEGETATIVE GROWTH, SEED WEIGHT
546. MATHUR, A. K.; GANAPATHY, P. S.; JOHRI, B. M. ISOLATION OF SODIUM CHLORIDE-TOLERANT PLANTLETS OF KICKXIA RAMOISSIMA UNDER IN VITRO CONDITIONS. Z. PFLANZENPHYSIOL. 99: 287-294. 1980. SCROPHULARIACEAE: KICKXIA RAMOISSIMA TEST TUBE, WATER CULTURE SODIUM, CHLORIDE SHOOT GROWTH, LEAF FREQUENCY, NODULATION, LEAF THICKNESS
547. MATHUR, C. M.; MOGHE, V. G.; KHETAWAT, G. K. STUDIES ON THE SALT TOLERANCE OF VARIOUS IMPROVED WHEAT VARIETIES AT GERMINATION AND SEEDLING STAGE IN SODIUM CHLORIDE AND SODIUM SULPHATE SOLUTIONS. LABDEV. J. SCI. TECHNOL. 5: 254-257. 1967. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISHES SODIUM, CHLORIDE, SULFATE GERMINATION, ROOT GROWTH, SHOOT GROWTH, EMERGENCE
548. MATSUDA, K.; RIAZI, A. STRESS-INDUCED OSMOTIC ADJUSTMENT IN GROWING REGIONS OF BARLEY LEAVES. PLANT PHYSIOL. 68: 571-576. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE VERNICULITE, WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL LEAF GROWTH, WATER POTENTIAL, OSMOTIC POTENTIAL
549. MAURYA, D. M.; DWIVEDI, K. N.; SINGH, H. G. VARIETAL TOLERANCE IN PADDY (ORYZA SATIVA L.) TO SALINE-ALKALI SOILS. ORYZA 13:135-137. 1976. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL VARIETY, SALINE-ALKALI SOIL GRAIN YIELD
550. MAYAK, S.; KOFRANEK, A. M.; TIROSH, T. THE EFFECT OF INORGANIC SALTS ON THE SENESCENCE OF DIANTHUS CARYOPHYLLUS FLOWERS. PHYSIOL. PLANT. 43: 282-286. 1978. CARNATION CARYOPHYLLACEAE: DIANTHUS CARYOPHYLLUS TEST TUBE, GREENHOUSE, WATER CULTURE SODIUM, SALINE WATER OSMOTIC POTENTIAL, WILTING
551. MC CONNELL, D. B.; JOINER, J. N.; JOHNSON, C. R. INFLUENCE OF SALINITY LEVELS ON GROWTH AND CHEMICAL COMPOSITION OF LIVISTONA CHINENSIS. HORTSCIENCE 13: 706-707. 1978. PALM, CHINESE FAN PALMAE: LIVISTONA CHINENSIS WATER CULTURE, SOIL, GREENHOUSE SODIUM, MAGNESIUM, CHLORIDE MINERAL COMPOSITION, SODIUM UPTAKE, VEGETATIVE GROWTH
552. MC GRAW, D. C.; UNGAR, I. A. GROWTH AND SURVIVAL OF THE HALOPHYTE SALICORNIA EUROPAEA UNDER SALINE FIELD CONDITIONS. OHIO J. SCI. 81: 109-113. 1981. SAMPHIRE CHENOPODIACEAE: SALICORNIA EUROPAEA FIELD PLOT SALINE SOIL

GERMINATION, SHOOT GROWTH, ROOT GROWTH, VEGETATIVE GROWTH

553. MC GUIRE, P. E.; DVORAK, J. HIGH SALT-TOLERANCE POTENTIAL IN WHEATGRASSES. CROP SCI. 21: 702-705. 1981. WHEATGRASS GRAMINEAE: AGROPYRON, ELYTRIGIA, ELYMUS WATER CULTURE SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, VEGETATIVE GROWTH
554. MC MAHON, K. A.; UNGAR, I. A. PHENOLOGY, DISTRIBUTION AND SURVIVAL OF ATRIPLEX TRIANGULARIS WILLD. IN AN OHIO SALT PAN. AMER. MIDLAND NATUR. 100: 1-14. 1978. SALT BUSH CHENOPODIACEAE: ATRIPLEX TRIANGULARIS FIELD, SOIL SALINE SOIL VEGETATIVE GROWTH, ROOT GROWTH, SHOOT GROWTH, GERMINATION, FLOWERING
555. MC MILLON, B. SALT-TOLERANT PLANTS. GARDEN 5: 20-22. 1981. FIELD DROUGHT, SALINE SOIL
556. MC WILLIAM, J. R.; PHILLIPS, P. J. EFFECT OF OSMOTIC AND MATRIC POTENTIALS ON THE AVAILABILITY OF WATER FOR SEED GERMINATION. AUST. J. BIOL. SCI. 24: 423-431. 1971. RYEGRASS; CANARY GRASS GRAMINEAE: PHALARIS TUBEROSA, LOLIUM PERENNE GERMINATION DISHES POLYETHYLENE GLYCOL GERMINATION
557. MEHTA, P. C.; PUNTANKAR, S. S.; JAIN, S. V. EFFECT OF GYPSUM ON SOIL PROPERTIES AND GROWTH OF WHEAT ON SALINE SODIC SOILS IRRIGATED WITH HIGH BICARBONATE WATER. CURR. AGRIC. 1: 37-40. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL GYPSUM, CALCIUM, SULFATE, BICARBONATE GRAIN YIELD
558. MEHTA, P. C.; PUNTANKAR, S. S.; SETH, S. P. EFFECT OF PRE-SOAKING OF SEEDS IN DIFFERENT SALTS WITH VARYING CONCENTRATION ON THE GERMINATION AND YIELD OF WHEAT GROWN ON SALINISED SOIL. J. INDIAN SOC. SOIL SCI. 27: 99-100. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CHLORIDE GERMINATION, YIELD
559. MEIRI, A.; PLAUT, Z.; PINCAS, L. SALT TOLERANCE OF GLASSHOUSE-GROWN MUSKMELON. SOIL SCI. 131: 189-193. 1981. MUSKMELON CUCURBITACEAE: CUCUMIS MELO GREENHOUSE, SAND SODIUM, CHLORIDE, CALCIUM FRUIT YIELD, FRUIT WEIGHT
560. MENARY, R. C.; ALLAN, P. EFFECT OF CHLORIDE ON NITRATE ACCUMULATION IN PAPAW (CARICA PAPAYA). POST. J. PLANT PHYSIOL. 6: 241-247. 1979. PAPAYA CARICACEAE: CARICA PAPAYA POT, SOIL, GREENHOUSE POTASSIUM, CHLORIDE CHLORIDE UPTAKE, NITRATE REDUCTASE ACTIVITY, NITRATE UPTAKE
561. MERCADO, B. T.; MALABAYABAS, C.; GUMASING, S. RESPONSES OF SOME LOWLAND WEED SPECIES TO SALINITY. PART I. SCIRPUS-MARITIMUS TO SODIUM CHLORIDE. PHILIPP AGRIC. 55: 253-259. 1971. BULRUSH, RIVER CYPERACEAE: SCIRPUS FLUVIATILIS GERMINATION DISHES, POT, SOIL SODIUM, CHLORIDE GERMINATION, SODIUM UPTAKE, CHLORIDE UPTAKE, TUBER YIELD
562. MERT, H. H.; VARDAR, Y. SALINITY, OSMOTIC PRESSURE AND TRANSPIRATION RELATIONSHIPS OF SALICORNIA HERBACEA IN ITS NATURAL HABITAT. PHYTON ANN. BOT. 18: 71-78. 1977. HALOPHYTE CHENOPODIACEAE: SALICORNIA HERBACEA FIELD, SOIL SEA WATER TRANSPIRATION, OSMOTIC PRESSURE
563. METWALLY, A. I.; EL-DAMATY, A.; MOUSTAFA, M. SALT INFLUENCE ON NITRATE AND PHOSPHATE UPTAKE BY BROAD BEANS AND BARLEY IN SAND CULTURE. Z. PFLANZENNAEHR. BODENKD. 141: 411-418. 1978. BEAN, BROAD; BARLEY LEGUMINOSAE: VICIA

FABA; GRAMINEAE: HORDEUM VULGARE SAND, POT CALCIUM, POTASSIUM, CHLORIDE, SULFATE, NITRATE, MAGNESIUM, PHOSPHATE
NITROGEN UPTAKE, PHOSPHORUS UPTAKE, VEGETATIVE GROWTH, ROOT GROWTH

564. MIGUNOVA, E. S. ROOT SYSTEMS OF TREE SPECIES ON SALTY SOILS IN SOUTH UKRAINE. (RUS; ENG SUM). LESOVEDENIE 6: 27-36. 1976. LOCUST, BLACK; ELM, SIBERIAN; ASH, GREEN; ARBORVITAE, ORIENTAL LEGUMINOSAE: ROBINIA PSEUDOACACIA; ULMACEAE: ULMUS PUMILA; OLEACEAE: FRAXINUS LANCEOLATA; CUPRESSACEAE: THUJA ORIENTALIS FIELD, SOIL SULFATE, CHLORIDE ROOT GROWTH
565. MIKA, V. VARIETAL DIFFERENCES IN SODIUM ABSORPTION BY GRASSES. SCI. AGRIC. BOHEMOSLOV. 12: 9-14. 1980. ORCHARD GRASS; RYEGRASS, ITALIAN GRAMINEAE: DACTYLIS GLOMERATA, LOLIUM MULTIFLORUM POT, SAND SODIUM, CHLORIDE SODIUM UPTAKE
566. MILES, L. J.; PARKER, G. R. EFFECTS OF SOIL-ADDED CL ON GROWTH OF ANDROPOGON SCOPARIUS AND POSSIBLE IMPLICATIONS FOR HEAVY METAL RESEARCH. PLANT SOIL 51: 69-72. 1979. BLUESTEM GRAMINEAE: SCHIZACHYRIUM SCOPARIUM SAND, POT, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, HEIGHT
567. MILFORD, G. F. J.; CORMACK, W. F.; DURRANT, M. J. EFFECTS OF SODIUM CHLORIDE ON WATER STATUS AND GROWTH OF SUGARBEETS. J. EXP. BIOL. 28: 1380-1388. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS GREENHOUSE, SOIL, POT, GROWTH CHAMBER SODIUM, CHLORIDE SODIUM UPTAKE, POTASSIUM UPTAKE, VEGETATIVE GROWTH, LEAF WATER CONTENT, TRANSPIRATION, PHOTOSYNTHESIS, LEAF DIFFUSIVE CONDUCTANCE, CARBOHYDRATE
568. MILLAN, A. J.; SILVA, J. C.; GALVAO, J. D. SELECAO VISANDO A TOLERANCIA A SALINIDADE CAUSADA POR SULFATO DE AMONIO NA VARIEDADE DE MILHO 'PIRANAO.' SELECTION OF THE PIRANAO MAIZE VARIETY IN VIEW OF TOLERANCE TO SALINITY CAUSED BY AMMONIUM SULFATE (POR; ENG SUM) REV. CERES 24: 386-393. 1977. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, POT, SOIL AMMONIUM, SULFATE EMERGENCE, VEGETATIVE GROWTH
569. MILLER, T. R.; CHAPMAN, S. R. GERMINATION RESPONSES OF THREE FORAGE GRASSES TO DIFFERENT CONCENTRATIONS OF SIX SALTS. J. RANGE MANAGE. 31: 123-124. 1978. WHEATGRASS, TALL; FESCUE, TALL; CANARY GRASS, REED GRAMINEAE: AGROPYRON ELONGATUM, FESTUCA ELATIOR, PHALARIS ARUNDINACEA GERMINATION DISHES. GERMINATOR SODIUM, CHLORIDE, SULFATE, MAGNESIUM, POTASSIUM GERMINATION
570. MISHRA, B.; GILL, K. S. SELECTION OF SUGARCANE (SACCHARUM OFFICINARUM) VARIETIES FOR SODIC SOIL. CURR. AGRIC. 2: 31-34. 1978. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD, SOIL VARIETY, SODIC SOIL, GYPSUM, CALCIUM, SULFATE CANE YIELD, SUCROSE
571. MISHRA, B.; JOSHI, Y. C. NOTE ON STUDIES ON TOLERANCE OF TURNIP VARIETIES TO SODICITY. CURR. AGRIC. 3: 235-237. 1979. TURNIP CRUCIFERAE: BRASSICA RAPA FIELD, SOIL SODIC SOIL ROOT YIELD, SHOOT YIELD
572. MISHRA, B.; JOSHI, Y. C.; SARIN, M. N. GROWING TURNIP AND SPINACH ON SALINE SODIC SOILS. INDIAN HORTIC. 18: 13-14. 1973. TURNIP; SPINACH CRUCIFERAE: BRASSICA RAPA; CHENOPODIACEAE: SPINACIA OLERACEA PLOT GYPSUM, SODIUM, CHLORIDE ROOT GROWTH, YIELD
573. MISHRA, B.; SARIN, M. N. PERFORMANCE OF SOME WHEAT (AESTIVUM) VARIETIES IN SODIC SOIL. CURR. AGRIC. 2: 27-30. 1978.

WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD, SOIL SODIC SOIL, VARIETY GRAIN YIELD

574. MIYAMOTO, S. TOLERANCE OF SOME SOUTHWESTERN RANGE PLANTS TO SODIUM CHLORIDE AND SULFATE. TEX. AGRIC. EXPT. STN. PROG. REP. 3480: 1-8. 1978. SALTBRUSH, FOURWING; GALLETA; GRAMA, BLUE; ALKALI SACATON CHENOPODIACEAE: ATRIPLEX CANESCENS; GRAMINEAE: SPOROBOLUS AIROIDES, BOUTELOUA GRACILIS, HILARIA JAMESII GERMINATION DISH, POT, SAND, GREENHOUSE SODIUM, CHLORIDE, SULFATE GERMINATION, VEGETATIVE GROWTH
575. MIYAMOTO, S.; SOSNOVSKE, K.; TIPTON, J. SALT AND WATER STRESS EFFECTS ON GERMINATION OF GUAYULE SEEDS. AGRON. J. 74: 303-307. 1982. GUAYULE COMPOSITAE: PARTHENIUM ARGENTATUM GERMINATION DISHES, SOIL SODIUM, CHLORIDE GERMINATION
576. MIZRACHI, D.; PANNIER, R.; PANNIER, F. ASSESSMENT OF SALT RESISTANCE MECHANISMS AS DETERMINANT PHYSIO ECOLOGICAL PARAMETERS OF ZONAL DISTRIBUTION OF MANGROVE SPECIES. 1. EFFECT OF SALINITY STRESS ON NITROGEN METABOLISM BALANCE AND PROTEIN SYNTHESIS IN THE MANGROVE SPECIES RHIZOPHORA MANGLE AND AVICENNIA NITIDA. BOT. MAR. 23: 289-296. 1980. MANGROVE, AMERICAN; MANGROVE RHIZOPHORACEAE: RHIZOPHORA MANGLE; AVICENNIACEAE: AVICENNIA NITIDA GROWTH CHAMBER, WATER CULTURE SEA WATER CHLORIDE UPTAKE, PROTEIN, NITROGEN, LEUCINE
577. MOBAYEN, R. G.; MILTHORPE, F. L. RESPONSE OF SEEDLINGS OF THREE CITRUS-ROOTSTOCK CULTIVARS TO SALINITY. AUST. J. AGRIC. RES. 31: 117-124. 1980. ORANGE, TRIFOLIATE; ORANGE, MANDARIN RUTACEAE: PONCIRUS TRIFOLIATA, CITRUS RETICULATA GREENHOUSE, SAND, POT SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, GROWTH RATE, MINERAL COMPOSITION, SODIUM UPTAKE, ASSIMILATION
578. MOELJOPAWIRO, S.; IKENHASHI, H. INHERITANCE OF SALT TOLERANCE IN RICE. EUPHYTICA 30: 291-300. 1981. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, SOIL SODIUM, CHLORIDE GENETIC INTERACTION, HEREDITY, YIELD
579. MONDAL, R. C. A NOTE ON THE EFFECT OF SOIL CaCO₃ ON WHEAT AND RICE YIELD IN SODIC SOIL. J. INDIAN SOC. SOIL SCI. 28: 129-130. 1980. WHEAT; RICE GRAMINEAE: TRITICUM AESTIVUM, ORYZA SATIVA POT CALCIUM, CARBONATE, SODIC SOIL GRAIN YIELD, STRAW YIELD
580. MONDAL, R. C.; SHARMA, D. R. EFFECT OF LONG-TERM USE OF SALINE IRRIGATION WATER ON WHEAT YIELD AND SOIL SALINITY. INDIAN J. AGRIC. SCI. 49: 546-550. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM LYSIMETER, SOIL, SAND SODIUM, MAGNESIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE GRAIN YIELD
581. MONTFORT, C.; BRANDRUP, W. PHYSIOLOGISCHE UND PFLANZENGEOGRAPHISCHE SEESALZWIRKUNGEN. III. VERGLEICHENDE UNTERSUCHUNGEN DER SALZWACHSTUMSREAKTIONEN VON WURZELN. PHYSIOLOGICAL AND GEOGRAPHIC EFFECTS OF SEA-SALT. III. COMPARATIVE STUDY OF GROWTH REACTIONS CAUSED BY SALT IN ROOTS. (GER). JAHRB. WISS. BOT. 67: 105-173. 1927. HALOPHYTE; PEA; CORN; CRESS, GARDEN; MILFOIL; GRASS, DITCH LEGUMINOSAE: PISUM SATIVUM GRAMINEAE: ZEA MAYS CRUCIFERAE: LEPIDIUM SATIVUM HALORAGACEAE: MYRIOPHYLLUM SPICATUM COMPOSITAE: ASTER TRIPOLIUM RUPPIACEAE: RUPPIA ROSTELLATA WATER CULTURE, FIELD SEA WATER, SODIUM, CHLORIDE ROOT GROWTH, SHOOT GROWTH, SALT TOLERANCE, RHIZOBIUM
582. MOORE, J.; MURPHY, J. M. SPRINKLER IRRIGATION WITH SALINE WATER IN WEST TEXAS. TEXAS AGRIC. PROGRESS 24: 26-27. 1978. ALFALFA; SORGHUM; COTTON; BEAN; SUNFLOWER LEGUMINOSAE: PHASEOLUS VULGARIS, MEDICAGO SATIVA; GRAMINEAE: SORGHUM BICOLOR; COMPOSITAE: HELIANTHUS ANNUUS; MALVACEAE: GOSSYPIUM

583. MOORE, P. CROPS FOR THE DESERT. NATURE 272: 14-15. 1978. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE
584. MORARD, P.; GARCIA, M. LA SALINITE DUE AU CHLORURE DE SODIUM ET LES VEGETAUX SUPERIEURS. SODIUM CHLORIDE SOIL SALINITY AND HIGHER PLANTS. (FRE). FRUITS 32: 263-267. 1977.
585. MORARD, P.; GARCIA, M.; KHERADMANDI, M. INCIDENCE DE DOSES CROISSANTES DE SELS MINERAUX DE LA SOLUTION NUTRITIVE SUR LA CROISSANCE D'UN TABAC D'ORIENT. EFFECT OF INCREASING DOSES OF MINERAL SALTS OF THE NUTRIENT SOLUTION ON THE GROWTH OF AN ORIENTAL VARIETY OF TOBACCO. (FRE.) BULL. SOC. HIST. NAT. TOULOUSE 115: 7-14. 1979. TOBACCO, ORIENTAL SOLANACEAE: NICOTIANA WATER CULTURE SODIUM, CHLORIDE, SULFATE VEGETATIVE GROWTH, LEAF GROWTH, ROOT GROWTH
586. MOSER, B. C. AIRBORNE SALT SPRAY - TECHNIQUES FOR EXPERIMENTATION AND ITS EFFECTS ON VEGETATION. PHYTOPATHOLOGY 69: 1002-1006. 1979. BEAN; PINE, WHITE; PINE, JAPANESE BLACK PINACEAE: PINUS STROBUS, PINUS THUNBERGIANA FIELD, POT, WIND TUNNEL SALT SPRAY, COOLING TOWER SODIUM UPTAKE, CHLORIDE UPTAKE, VISUAL SYMPTOMS
587. MOURSI, M. A.; ABD EL-GAWAD, A. A.; IBRAHIM, K. M.; EL-SHOUBAGY, M. A. PASTURE PRODUCTIVITY IN NORTH WEST COASTAL REGION IN EGYPT. 5. CHEMICAL COMPOSITION OF TALL WHEAT GRASS AGROPYRON ELONGATUM (HOST) BEAUV. AS AFFECTED BY SALINITY. EGYPT. J. AGRON. 2: 115-128. 1977. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, VARIETY NITROGEN, PROTEIN NITROGEN, MINERAL COMPOSITION, CARBOHYDRATE, ETHER EXTRACT, ASH
588. MOURSI, M. A.; ABD EL-GAWAD, A.; EL-SHOUBAGY, M. A. PASTURE PRODUCTIVITY IN NORTH WEST COASTAL REGION IN EGYPT. 4. GERMINATION, GROWTH AND YIELD OF TALL WHEAT GRASS (AGROPYRON ELONGATUM (HOST) BEAUV) UNDER DIFFERENT SALINITY LEVELS. EGYPT J. AGRON. 2: 103-114. 1977. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, VARIETY VEGETATIVE GROWTH, GERMINATION, SEEDLING GROWTH, LEAF AREA, HEIGHT, SEED WEIGHT, SHOOT GROWTH, ROOT GROWTH
589. MOURSI, M. A.; RIZK, I. Y.; EL-TABBAKH, A. E.; HEGAZI, A. M. EFFECT OF SOIL SALINITY ON THE LEVEL OF NUCLEIC ACIDS IN RICINUS COMMUNIS L. AND HYOSCYAMUS MUTICUS L. PLANTS DURING THEIR GROWTH. EGYPT. J. AGRON. 2: 15-20. 1977. BEAN, CASTOR; HENBANE EUPHORBIACEAE: RICINUS COMMUNIS; SOLANACEAE: HYOSCYAMUS MUTICUS POT, SAND SODIUM, CHLORIDE DESOXYRIBONUCLEIC ACID, RIBONUCLEIC ACID
590. MOXLEY, M. G.; BERG, W. A.; BARRAU, E. M. SALT TOLERANCE OF FIVE VARIETIES OF WHEATGRASS DURING SEEDLING GROWTH. J. RANGE MAN. 31:54-55. 1978. WHEATGRASS, WESTERN; WHEATGRASS, THICKSPIKE; WHEATGRASS, TALL GRAMINEAE: AGROPYRON SMITHII, AGROPYRON ELONGATUM, AGROPYRON DASYSTACHYUM POT, SOIL SODIUM, CALCIUM, CHLORIDE SEEDLING GROWTH
591. MROZEK, E. JR. EFFECT OF MERCURY AND CADMIUM ON GERMINATION OF SPARTINA ALTERNIFLORA LOISEL SEEDS AT VARIOUS SALINITIES. ENVIRON. EXP. BOT. 20: 367-377. 1980. MARSH GRASS GRAMINEAE: SPARTINA ALTERNIFLORA GERMINATION DISHES, GROWTH CHAMBER MERCURY, CADMIUM GERMINATION
592. MROZEK, E.; FUNICELLI, N. A. EFFECT OF ZINC AND LEAD ON GERMINATION OF SPARTINA ALTERNIFLORA LOISEL SEEDS AT VARIOUS SALINITIES. ENVIRON. EXP. BOT. 22: 23-32. 1982. CORDGRASS, SMOOTH GRAMINEAE: SPARTINA ALTERNIFLORA WATER CULTURE ZINC, LEAD, SODIUM, CHLORIDE GERMINATION

593. MUDIE, P. J.; SCHMITT, W. R.; LUARD, E. J.; RUTHERFORD, J. W.; WOLFSON, F. H. PRELIMINARY STUDIES ON SEAWATER IRRIGATION. HALOPHYTE RES. PROG. SCRIPPS INST. OCEANOGR. PUB. NO. 1: 97 PP. 1972. BEET, RED; BEET, SUGAR; CHARD; SPINACH, NEW ZEALAND; ASPARAGUS; BARLEY, WILD; TOMATO, CHERRY; TOMATO; PALM, CANARY ISLAND; BEARS-BREECH; CELERY; FLAX, NEW ZEALAND; POMEGRANATE; COTTON CHENOPODIACEAE: BETA VULGARIS, BETA VULGARIS VAR CICLA, BETA MARITIMA; AIZOACEAE: TETRAGONIA EXPANSA; LILIACEAE: ASPARAGUS OFFICINALIS; GRAMINEAE: HORDEUM VULGARE, HORDEUM HYSTRIX; UMBELLIFERAE: APIUM GRAVEOLENS; SOLANACEAE: LYCOPERSICON CERASIFORME, LYCOPERSICON ESCULENTUM; PALMACEAE: PHOENIX CANARENSIS; AGAVACEAE: PHORMIUM TENAX; MALVACEAE: GOSSYPIUM HIRSUTUM; PUNICACEAE: PUNICA GRANATUM; ACANTHACEAE: ACANTHUS MOLLIS POT, WATER CULTURE SEA WATER VEGETATIVE GROWTH, SALT TOLERANCE
594. MULCHI, C. L.; ARMBRUSTER, J. A. RESPONSE OF CORN AND SOYBEANS TO SIMULATED SALINE AEROSOL DRIFT FROM BRACKISH WATER COOLING TOWERS. J. ENVIRON. QUAL. 10: 541-547. 1981. CORN; SOYBEAN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: GLYCINE MAX FIELD PLOT SODIUM, CHLORIDE, BRACKISH WATER, SALT SPRAY SEEDLING GROWTH, VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE
595. MULCHI, C. L.; ARMBRUSTER, J. A.; WOLF, D. C. CHALK POINT: A CASE STUDY OF THE IMPACT OF BRACKISH WATER COOLING TOWERS ON AN AGRICULTURAL ENVIRONMENT. J. ENVIRON. QUAL. 11: 212-220. 1982. CORN; SOYBEAN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: GLYCINE MAX FIELD PLOT BRACKISH WATER, COOLING TOWER, SALT SPRAY SODIUM UPTAKE, CALCIUM UPTAKE, MINERAL COMPOSITION
596. MULCHI, C. L.; WOLF, D. C.; FOSS, J. E.; ARMBRUSTER, J. A. CHALK POINT COOLING TOWER PROJECT. PREOPERATIONAL REPORT: COOLING WATER EFFECT ON CROPS AND SOILS. WWRC SPC. REP. MD. UNIV. WATER RESOUR. RES. CENT. 1: 99 PP. 1976. TOBACCO; SOYBEAN; CORN; WHEAT; OATS; BARLEY; FESCUE, TALL GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM, FESTUCA ELATIOR, HORDEUM VULGARE, AVENA SATIVA; LEGUMINOSAE: GLYCINE MAX; SOLANACEAE: NICOTIANA TABACUM FIELD SALT SPRAY YIELD, CHLORIDE UPTAKE, MINERAL COMPOSITION
597. MULLER, F. B.; MCSWEENEY, G. TOXICITY OF BORATES TO TURNIPS. N.Z. J. EXPT. AGRIC. 4:451-455. 1976. TURNIP CRUCIFERAE: BRASSICA RAPA SOIL, POT SODIUM, BORON SEEDLING GROWTH, BORON UPTAKE, VEGETATIVE GROWTH
598. MULLER, M.; SANTARIUS, K. A. CHANGES IN CHLOROPLAST MEMBRANE LIPIDS DURING ADAPTATION OF BARLEY TO EXTREME SALINITY. PLANT PHYSIOL. 62:326-329. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE GROWTH CHAMBER, WATER CULTURE POLYETHYLENE GLYCOL, SODIUM, CHLORIDE LIPID, CYCLIC PHOTOPHOSPHORYLATION, CHLOROPHYLL, GALACTOSE
599. MURCH, R. S.; PAXTON, J. D. RHIZOSPHERE SALINITY AND PHYTOALEXIN ACCUMULATION IN SOYBEAN. PLANT SOIL 54: 163-167. 1980. SOYBEAN LEGUMINOSAE: GLYCINE MAX RHIZOSPHERE, POT SODIUM, CHLORIDE, SULFATE, CALCIUM, MAGNESIUM, PHYTOPHTHORA MEGASPERMA GLYCEOLLIN, SODIUM UPTAKE, CALCIUM UPTAKE, MAGNESIUM UPTAKE, PHYTOALEXIN
600. MURTHY, A. S. P.; BHAT, G. G.; SARATKUMAR, E. R. A MEXICAN WHEAT AND ITS TOLERANCE TO SALINE WATER IRRIGATION. MYSORE J. AGR. SCI. 12: 377-380. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD PLOT SODIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE GRAIN YIELD, PROTEIN
601. MURTHY, A. S. P.; VENKATA RAMU, M. N.; YADAV, J. S. P. EFFECT OF SALINE WATER IRRIGATION ON SODIUM AND POTASSIUM UPTAKE IN UP 301 WHEAT (TRITICUM AESTIVUM L.). ANN. ARID ZONE 18: 62-67. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD PLOT SODIUM, CHLORIDE, CALCIUM, SULFATE, BICARBONATE MINERAL COMPOSITION, GRAIN YIELD

602. MYLONAS, V. A.; MC CANTS, C. B. EFFECTS OF OSMOTIC PRESSURE OF NUTRIENT SOLUTIONS AND CONDUCTIVITY OF SOIL EXTRACTS ON TOBACCO SEED GERMINATION AND SEEDLING GROWTH. TOBACCO INTERNATIONAL 171: 17-21. 1970. TOBACCO SOLANACEAE: NICOTIANA TABACUM GERMINATION DISHES, GREENHOUSE, SAND CULTURE, SOIL FERTILIZER GERMINATION, TOP GROWTH, ROOT GROWTH
603. NABORS, M. W.; DANIELS, A.; NADOLNY, L.; BROWN, C. SODIUM CHLORIDE TOLERANT LINES OF TOBACCO CELLS. PLANT SCI. LETTERS 4:155-159. 1975. TOBACCO SOLANACEAE: NICOTIANA TABACUM CALLUS TISSUE, WATER CULTURE SODIUM, CHLORIDE CULTURE GROWTH
604. NABORS, M. W.; GIBBS, S. E.; BERNSTEIN, C. S.; MEIS, M. E. NaCl-TOLERANT TOBACCO PLANTS FROM CULTURED CELLS. Z. PFLANZENPHYSIOL. 97: 13-18. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM TEST TUBE, SOIL, GREENHOUSE SODIUM, CHLORIDE GENETIC INTERACTION, SALT TOLERANCE, SHOOT GROWTH
605. NADEEM, M. Y.; MUHAMMAD, S. EFFECT OF SALTS ON GERMINATION, YIELD, PROTEIN PERCENTAGE AND TOTAL UPTAKE OF NITROGEN BY THREE VARIETIES OF LENTIL (LENS ESCULENTA). PAK. J. SCI. 30: 54-58. 1978. LENTIL LEGUMINOSAE: LENS CULINARIS SOIL, POT SODIUM, CHLORIDE, SULFATE, CALCIUM, MAGNESIUM, VARIETY GERMINATION, GRAIN YIELD, STRAW YIELD, PROTEIN, NITROGEN UPTAKE
606. NAGARAJAN, M.; SANKARANARAYANAN, M.; NELLIAT, E. V. A NOTE ON SALINE WATER IRRIGATION TO COCONUT PALM COCOS NUCIFERA LINN. IN SANDY LOAM SOIL. SCI. CULT. 41: 381-383. 1975. COCONUT PALMAE: COCOS NUCIFERA FIELD PLOT SEA WATER SALT TOLERANCE
607. NAINAWATEE, H. S.; DAS, N. B. MALATE DEHYDROGENASE ISOENZYMES IN WHEAT SEEDS IMBIBED IN SALINE MEDIA. BIOCHEM. PHYSIOL. PFLANZEN. 163: 608-610. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISH SODIUM, CHLORIDE MALATE DEHYDROGENASE
608. NAQVI, S. M. PHYSIOLOGY OF SALT TOLERANCE: POSSIBLE MECHANISM. PROC. SEMINAR MEMBRANE BIOPHYSICA AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 7-15. SELECTIVE BREEDING, GERMINATION, SEEDLING GROWTH
609. NARAIN, P.; PAL, B.; SINGH, B. EFFECT OF SALINE WATER IRRIGATION ON PERFORMANCE OF LAHA (VAR. T-59) AND SALINITY STATUS OF SOIL. INDIAN J. AGRON. 24: 1-6. 1979. MUSTARD CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT, SAND, SOIL SALINE WATER, SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, SEED WEIGHT
610. NARAIN, P.; SINGH, B.; PAL, B. NOTE ON THE EFFECT OF QUALITY AND DEPTH OF IRRIGATION ON THE PERFORMANCE OF WHEAT GROWN ON SOIL WITH DIFFERENT LEVELS OF SALINITY. INDIAN J. AGRIC. SCI. 47: 637-639. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, CHLORIDE, SULFATE, BICARBONATE, CALCIUM GRAIN YIELD, STRAW YIELD
611. NARASAGOUDAR, N. A.; CHAVAN, P. D.; KARADGE, B. A. GERMINATION OF SORGHUM-VULGARE PERS. UNDER SALINE CONDITIONS. GEOBIOS 6: 327-328. 1979. SORGHUM GRAMINEAE: SORGHUM BICOLOR GERMINATION DISH SODIUM, CHLORIDE, BICARBONATE, SULFATE GERMINATION, REDUCING SUGAR, ENZYME ACTIVITY, ACID PHOSPHATASE
612. NASR, T. A.; EL-AZAB, E. M.; EL-SHURAF, M. Y. EFFECT OF SALINITY AND WATER TABLE ON GROWTH AND TOLERANCE OF PLUM AND

- PEACH. SCI. HORTIC. 7: 225-235. 1977. PLUM; PEACH ROSACEAE: PRUNUS PERSICA, PRUNUS DOMESTICA SOIL, LYSINETER CALCIUM, SODIUM, CHLORIDE, WATER TABLE VISUAL SYMPTOMS, VEGETATIVE GROWTH
613. NASSERY, H.; OGATA, G.; MAAS, E. V. SENSITIVITY OF SESAME TO VARIOUS SALTS. AGRON. J. 71: 595-597. 1979. SESAME PEDALIACEAE: SESAMUM INDICUM POT, WATER CULTURE, GREENHOUSE SODIUM, NITRATE, CHLORIDE, SULFATE, CALCIUM VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION
614. NASSERY, H.; OGATO, G.; NIEMAN, R. H.; MAAS, E. V. GROWTH, PHOSPHATE POOLS, AND PHOSPHATE MOBILIZATION OF SALT-STRESSED SESAME AND PEPPER. PLANT PHYSIOL. 62:229-21. 1978. SESAME; PEPPER, BELL PEDALIACEAE: SESAMUM INDICUM, SOLANACEAE: CAPSICUM ANNUUM WATER CULTURE, GREENHOUSE SODIUM, CALCIUM, CHLORIDE PHOSPHORUS UPTAKE, VEGETATIVE GROWTH, PHOSPHATE MOBILIZATION
615. NATANSON, G.; BEN-JA'ACOV, J.; HAGILADI, A. USE OF WIND SPEED CONTROLLED OVERHEAD IRRIGATION SYSTEM TO PREVENT DAMAGE CAUSED BY WIND-BORNE SALTS. HASSADEH 58: 2343-2344, 2348. 1978. OLEANDER APOCYNACEAE: NERIUM OLEANDER FIELD, SOIL SALT SPRAY SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, LEAF INJURY
616. NEALES, T. F.; SHARKEY, P. J. EFFECT OF SALINITY ON GROWTH AND ON MINERAL AND ORGANIC CONSTITUENTS OF THE HALOPHYTE DISPHYMA AUSTRALE (SOLAND.). J. M. BLACK. AUST. J. PLANT PHYSIOL. 8: 165-179. 1981. HALOPHYTE AIZOACEAE: DISPHYMA AUSTRALE GREENHOUSE, WATER CULTURE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, WATER CONTENT, MINERAL COMPOSITION, PROLINE, GLUTAMINE, GLUTAMATE, ALANINE, ARGININE, ASPARTATE, AMINO CONTENT, SUGAR, OSMOTIC POTENTIAL
617. NESTLER, J. INTERSTITIAL SALINITY AS A CAUSE OF ECOPHENIC VARIATION IN SPARTINA ALTERNIFLORA. ESTUARINE COASTAL MAR. SCI. 5: 707-714. 1977. CORDGRASS GRAMINEAE: SPARTINA ALTERNIFLORA FIELD SALINE WATER, SALINE SOIL, WATER TABLE HEIGHT, VEGETATIVE GROWTH
618. NIJENSOHN, L. INTOXICACION DE VIDES POR CLORUROS. CHLORIDE TOXICITY OF GRAPES. (SPA; ENG SUM). BOL. TEC. I. P. A. NO. 2: 3-30. 1960. GRAPE VITACEAE: VITIS FIELD, SOIL SALINE SOIL, SALINE WATER, CHLORIDE VISUAL SYMPTOMS, CHLORIDE UPTAKE
619. NIMBALKAR, J. D.; JOSHI, G. V. EFFECT OF INCREASING SALINITY ON GERMINATION, GROWTH, AND MINERAL METABOLISM OF SUGARCANE VAR. CO-740 J. BIOL. SCI. 18:55-63. 1975. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, FIELD PLOT SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION
620. NIMBALKAR, J. D.; JOSHI, G. V. EFFECT OF SALT STRESS ON PHOTOSYNTHESIS IN SUGARCANE VAR. CO. 740. BIOVIGYANAM 2:137-144. 1976. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOT, SOIL SODIUM, CHLORIDE PHOTOSYNTHESIS, SUGAR, SUGARPHOSPHATES, AMINO ACID, CHLOROPHYLL
621. NOBLE, J. C.; WHALLEY, R. D. B. THE BIOLOGY AND AUTECOLOGY OF NITRARIA L. IN AUSTRALIA. II. SEED GERMINATION, SEEDLING ESTABLISHMENT AND RESPONSE TO SALINITY. AUST. J. ECOL. 3:165-177. 1978. ZYGOPHYLLACEAE: NITRARIA BILLARDIERI FIELD, SOIL, GREENHOUSE, SAND, POT SODIUM, CHLORIDE LEAF THICKNESS, VEGETATIVE YIELD, CHLORIDE UPTAKE
622. NORLYN, J. D. SALT TOLERANT CROPS. PROC. ANNU. CALIF. FERT. CONF. 26TH:5-11. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE

623. NORLYN, J. D.; EPSTEIN, E. BARLEY PRODUCTION: IRRIGATION WITH SEAWATER ON COASTAL SOIL. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 525-529. 1982. BARLEY GRAMINEAE: HORDEUM VULGARE GROWTH CHAMBER, FIELD, SAND SODIUM, CHLORIDE SALT TOLERANCE, SELECTIVE BREEDING, GENETIC INTERACTION, GERMINATION, SEEDLING GROWTH
624. NUKAYA, A.; MASUI, M.; ISHIDA, A. RELATIONSHIPS BETWEEN SALT TOLERANCE OF GREEN SOYBEANS AND CALCIUM SULFATE APPLICATIONS IN SAND CULTURE. J. JPN. SOC. HORTIC. SCI. 50: 326-331. 1981. SOYBEAN LEGUMINOSAE: GLYCINE MAX SAND, POT, GREENHOUSE CALCIUM, SULFATE, SEA WATER VEGETATIVE GROWTH, YIELD, SEED WEIGHT, ROOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE
625. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF GREEN SOYBEANS AS AFFECTED BY VARIOUS SALINITIES IN SAND CULTURE. J. JPN. SOC. HORTIC. SCI. 50: 487-496. 1982. SOYBEAN LEGUMINOSAE: GLYCINE MAX SAND, GREENHOUSE, POT SODIUM, CHLORIDE, SEA WATER, SULFATE VEGETATIVE GROWTH, SEED WEIGHT, OSMOTIC POTENTIAL, SODIUM UPTAKE, CHLORIDE UPTAKE
626. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF MUSKMELONS GROWN IN DIFFERENT SALINITY SOILS. J. JPN. SOC. HORTIC. SCI. 48: 468-474. 1980. MUSKMELON CUCURBITACEAE: CUCUMIS MELO SOIL, POT CHLORIDE, SEA WATER HEIGHT, VEGETATIVE GROWTH, FRUIT WEIGHT, MINERAL COMPOSITION, SUGAR
627. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF MUSKMELONS IN SAND AND NUTRIENT SOLUTION CULTURES. J. JPN. SOC. HORTIC. SCI. 49: 93-101. 1980. MUSKMELON CUCURBITACEAE: CUCUMIS MELO WATER CULTURE, SAND, GERMINATION DISH, POT, GREENHOUSE CHLORIDE, SEA WATER GERMINATION, VEGETATIVE GROWTH, LEAF FREQUENCY, HEIGHT, FRUIT WEIGHT, SUGAR, SEEDLING GROWTH, OSMOTIC PRESSURE, CHLORIDE UPTAKE, MINERAL COMPOSITION, VISUAL SYMPTOM, TRANSPIRATION, SODIUM UPTAKE
628. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF TOMATOES. J. JPN. SOC. HORTIC. SCI. 48: 73-81. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM GERMINATION DISHES, WATER CULTURE, GREENHOUSE, SAND, SOIL SEA WATER GERMINATION, TRANSPIRATION, VEGETATIVE GROWTH, BLOSSOM-END ROT, OSMOTIC POTENTIAL, MINERAL COMPOSITION
629. NUKAYA, A.; MASUI, M.; ISHIDA, A. SALT TOLERANCE OF MUSKMELONS GROWN IN DIFFERENT MEDIA. J. JPN. SOC. HORTIC. SCI. 49: 354-360. 1980. MUSKMELON CUCURBITACEAE: CUCUMIS MELO SAND, SOIL, WATER CULTURE, POT SEA WATER, CHLORIDE VEGETATIVE GROWTH, HEIGHT, FRUIT WEIGHT, VISUAL SYMPTOMS, CHLORIDE UPTAKE, OSMOTIC PRESSURE
630. NUNES, M. A.; DIAS, M. A.; PINTO, E. EFEITOS DA AGUA DISPONIVEL E SALINIDADE DO SOLO NO CRESCIMENTO, TROCAS E ACUCARES SO LUVEIS EM VARIETADES DE BETERRABA-SACARINA. EFFECTS OF AVAILABLE WATER AND SOIL SALINITY ON GROWTH, GAS EXCHANGES AND SOLUBLE SUGARS IN SUGARBEET VARIETIES (POR; ENG SUM). AGRON LUSIT 38:229-255. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS SOIL, FIELD SALINE SOIL PHOTOSYNTHESIS, RESPIRATION, PHOTORESPIRATION, REDUCING SUGAR, VEGETATIVE GROWTH, ROOT GROWTH, SUCROSE
631. OERTLI, J. J. EFFECTS OF EXTERNAL SALT CONCENTRATIONS ON WATER RELATIONS IN PLANTS: I. ABSENCE OF OSMOTIC ADJUSTMENT IN THE ROOT XYLEM. SOIL SCIENCE 102: 180-186. 1966. BARLEY GRAMINEAE: HORDEUM VULGARE WATER CULTURE SODIUM, CHLORIDE XYLEM, OSMOTIC POTENTIAL
632. OGRA, R. K.; BAIJAL, B. D. TOLERANCE OF SOME SORGHUM VARIETIES TO SALT STRESS AT EARLY SEEDLING STAGE. INDIAN J. AGRIC. RES. 48: 713-717. 1978. SORGHUM GRAMINEAE: SORGHUM BICOLOR TEST TUBE, FILTER PAER CALCIUM, CHLORIDE,

SODIUM, VARIETY SEEDLING GROWTH, ROOT GROWTH, SHOOT GROWTH

633. OKUSANYA, O. T. THE EFFECT OF SALINITY AND NUTRIENT LEVEL ON THE GROWTH OF LAVATERA ARBOREA. OIKOS 35: 49-54. 1980. MALLOW, TREE MALVACEAE: LAVATERA ARBOREA SAND, POT, GREENHOUSE SEA WATER SEEDLING GROWTH, LEAF AREA, VEGETATIVE GROWTH
634. OKUSANYA, O. T. THE EFFECT OF SEA WATER AND TEMPERATURE ON THE GERMINATION OF CRITHMUM MARITIMUM. PHYSIOL. PLANT 41: 265-267. 1977. UMBELLIFERAE: CRITHMUM MARITIMUM WATER CULTURE SEA WATER, TEMPERATURE GERMINATION
635. OKUSANYA, O. T. AN EXPERIMENTAL INVESTIGATION INTO THE ECOLOGY OF SOME MARITIME CLIFF PLANT SPECIES. III. EFFECT OF SEA WATER ON GROWTH. J. ECOL. 67: 579-590. 1979. SAMPHIRE; CARROT, WILD; SPURRY, SAND; MALLOW, TREE MALVACEAE: LAVATERA ARBOREA; UMBELLIFERAE: LIGUSTICUM SCOTICUM; UMBELLIFERAE: CRITHMUM MARITIMUM, DAUCUS CAROTA; COMPOSITAE: INULA CRITHMOIDES, INULA CONYZA; CARYOPHYLLACEAE: SPERGULARIA RUPICOLA, SPERGULARIA RUBRA GREENHOUSE, SOIL, FILTER PAPER, SAND, POT SEA WATER, SODIUM, CHLORIDE, SALT SPRAY VEGETATIVE GROWTH, LEAF AREA
636. OKUSANYA, O. T. QUANTITATIVE ANALYSIS OF THE EFFECTS OF PHOTOPERIOD, TEMPERATURE, SALINITY, AND SOIL TYPES ON THE GERMINATION AND GROWTH OF CORCHORUS OLITORIUS. OIKOS 33: 444-450. 1979. TILIACEAE: CORCHORUS OLITORIUS GERMINATION DISHES, SOIL, POT SEA WATER GERMINATION, VEGETATIVE GROWTH
637. ONAL, M. DIE WIRKUNG DER NATRIUMCHLORIDKONZENTRATION AUF DEN PROTEINUND CHLOROPHYLLGEHALT VON SPERGULARIA SALINA UND SUAEDA MARITIMA. EFFECT OF SODIUM CHLORIDE CONCENTRATION ON PROTEIN AND CHLOROPHYLL OF SPERGULARIA SALINA AND SUAEDA MARITIMA. (GER.) REVUE DE LA FACULTE DES SCIENCES DE L'UNIVERSITE D'ISTAMBUL, SERIE B, TOME 38, FASC. 1-4. 53-65. 1973. SPURRY, SAND CARYOPHYLLACEAE: SPERGULARIA SALINA; CHENOPODIACEAE: SUAEDA MARITIMA WATER CULTURE SODIUM, CHLORIDE CHLOROPHYLL, PROTEIN, WATER CONTENT
638. ORTON, T. J. COMPARISON OF SALT TOLERANCE BETWEEN HORDEUM VULGARE AND H. JUBATUM IN WHOLE PLANTS AND CALLUS CULTURES. Z. PFLANZENPHYSIOL. 98: 105-118. 1980. BARLEY; BARLEY, SQUIRREL TAIL GRAMINEAE: HORDEUM VULGARE, HORDEUM JUBATUM SAND, POT, SOIL, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE
639. OSOTSAPAR, Y.; MERCADO, B. T. OSMOTIC ADJUSTMENT IN SALT-STRESSED RICE PLANTS. PHILIPP. J. SCI. 51-60. 1978. RICE GRAMINEAE: ORYZA SATIVA SODIUM, CHLORIDE OSMOTIC POTENTIAL, VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, LEAF INJURY, OSMOTIC PRESSURE
640. PAKROO, N.; KASHIRAD, A. THE EFFECT OF SALINITY AND IRON APPLICATION ON GROWTH AND MINERAL UPTAKE OF SUNFLOWER (HELIANTHUS ANNUUS L.). PLANT NUTRITION 4: 45-56. 1981. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS GREENHOUSE, VERMICULITE, POT SODIUM, CHLORIDE, IRON VEGETATIVE GROWTH, LEAF AREA, HEIGHT, SHOOT GROWTH, ROOT GROWTH, TRANSPIRATION, CHLORIDE UPTAKE, SODIUM UPTAKE, IRON UPTAKE
641. PALIWAL, K. V.; GRANDHI, A. P. ANIONIC EFFECT ON GERMINATION AND EARLY STAGE OF GROWTH OF FOUR VARIETIES OF PADDY (ORYZA SATIVA) IN SALINE MEDIUM. ORYZA 12: 109-110. 1977. RICE GRAMINEAE: ORYZA SATIVA VARIETY, SODIUM, CHLORIDE, SULFATE, NITRATE, BICARBONATE, CARBONATE GERMINATION, SEEDLING GROWTH

642. PALIWAL, K. V.; MALIWAL, G. L. GROWTH AND NUTRIENT UPTAKE RELATIONSHIPS OF SOME CROPS IN SALINE SUBSTRATE. ANN. ARID ZONE 19: 251-257. 1980. MILLET, PEARL; SORGHUM; BEAN, MUNG; GRAM, BLACK GRAMINEAE: PENNISETUM AMERICANUM, SORGHUM VULGARE; LEGUMINOSAE: VIGNA RADIATA, VIGNA MUNGO GREENHOUSE, SAND, POT SODIUM, CHLORIDE, CALCIUM, SULFATE MINERAL COMPOSITION, VEGETATIVE GROWTH, GRAIN YIELD
643. PALIWAL, K. V.; YADAV, B. R. EFFECT OF DIFFERENT QUALITIES OF IRRIGATION WATER ON THE YIELD OF WHEAT IN A SANDY LOAM SOIL. INDIAN J. AGRON. 23: 334-336. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD SODIUM, CHLORIDE, CALCIUM GRAIN YIELD, STRAW YIELD
644. PALIWAL, K. V.; YADAV, B. R. EFFECT OF SALINE IRRIGATION WATER ON THE YIELD OF POTATO. INDIAN J. AGRIC. SCI. 50: 31-33. 1980. POTATO SOLANACEAE: SOLANUM TUBEROSUM FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, BICARBONATE YIELD, TUBER YIELD
645. PANDA, S. C.; SINGH, N.; MISRA, B. PERFORMANCE OF WHEAT VARIETIES UNDER DIFFERENT LEVELS OF SALINITY. CURR. AGRIC. 3: 63-72. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SODIUM, CHLORIDE, CALCIUM, VARIETY GERMINATION, SHOOT GROWTH, GRAIN YIELD, HEIGHT, MINERAL COMPOSITION
646. PANDEY, R. M.; DIVATE, M. R. SALT TOLERANCE IN GRAPES. I. EFFECT OF SODIUM SALTS SINGLY AND IN COMBINATION ON SOME OF THE MORPHOLOGICAL CHARACTERS OF GRAPE VARIETIES. INDIAN J. PLANT PHYSIOL. 19: 230-239. 1976. GRAPE VITACEAE: VITIS POT, SOIL SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE, CARBONATE BUD BREAK, LEAF AREA
647. PANDEY, R. M.; SINGH, R. N.; SHARMA, Y. K. LEAF SCORCH IN MANGO; A NEW PROBLEM. INDIAN HORT. 19: 7-8. 1974. MANGO ANACARDIACEAE: MANGIFERA INDICA SODIUM, CHLORIDE, BICARBONATE, SULFATE, SALT SPRAY CHLORIDE UPTAKE
648. PANDYA, R. B.; GUPTA, S. K.; KHAN, M. I.; DINDSA, K. S. EFFECT OF POLYETHYLENE GLYCOL (PEG) INDUCED STRESS ON GERMINATION, MOISTURE UPTAKE, SEEDLING GROWTH, AND NITROGEN METABOLISM OF BROWN SARSON (BRASSICA CAMPESTRIS (LAM). BIOCHEM. PHYSIOL. PFLANZEN (BPP), BD. 163:392-397. 1972. MUSTARD, FIELD CRUCIFERAE: BRASSICA CAMPESTRIS GERMINATION DISHES POLYETHYLENE GLYCOL GERMINATION, SEEDLING GROWTH, AMIDE NITROGEN, AMMONIACAL NITROGEN
649. PANWAR, K. S. RESPONSE OF SARSON (BRASSICA CAMPESTRIS VAR. SARSON) VARIETIES TO NITROGEN ON SALINE SOIL WITH HIGH GROUND WATER TABLE. CURR. AGRIC. 2: 49-54. 1978. MUSTARD, FIELD CRUCIFERAE: BRASSICA RAPA FIELD PLOT, SOIL NITROGEN, VARIETY YIELD, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, GRAIN YIELD, GRAIN WEIGHT, OIL YIELD
650. PARAMASIVAN, K. S. A NOTE ON THE SCREENING RICE HYBRIDS FOR SALT TOLERANCE. MADRAS AGR. J. 66: 695-696. 1979. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, POT SODIUM, CHLORIDE SALT TOLERANCE
651. PARMAR, M. T.; PATEL, A. S. NOTE ON SALT TOLERANCE OF BAJRA ENTRIES DURING GERMINATION. GUJARAT AGRIC. UNIV. RES. J. 1:87-88. 1975. MILLET, PEARL GRAMINEAE: PENNISETUM TYPHOIDES GERMINATION DISHES VARIETY, SODIUM, CALCIUM, CHLORIDE GERMINATION
652. PARRA, M. A.; ROMERO G. C. ON THE DEPENDENCE OF SALT TOLERANCE OF BEANS (PHASEOLUS VULGARIS L.) ON SOIL WATER MATRIC POTENTIALS. PLANT SOIL 56: 3-16. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS SOIL, POT SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, LEAF AREA, WATER POTENTIAL, OSMOTIC PRESSURE, TRANSPIRATION

653. PARRA, M. A.; ROMERO, G. C. SALT TOLERANCE OF BEANS UNDER A SAND MULCH CULTURE. IN MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF., TEXAS TECH. UNIV., AUGUST 1976:220-235. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS FIELD PLOT, SOIL SODIUM, CALCIUM, CHLORIDE YIELD, POD WEIGHT, MINERAL COMPOSITION, GERMINATION
654. PARRONDO, R. T.; GOSSELINK, J. G.; HOPKINSON, C. S. EFFECTS OF SALINITY AND DRAINAGE ON THE GROWTH OF THREE SALT MARSH GRASSES. BOT. GAZ. 139: 102-107. 1978. GRASS, MARSH GRAMINEAE: SPARTINA ALTERNIFLORA, SPARTINA CYNOSUROIDES, DISTICHLIS SPICATA POT. WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH
655. PARRONDO, R. T.; GOSSELINK, J. G.; HOPKINSON, C. S. INFLUENCE OF SALINITY ON THE ABSORPTION OF RUBIDIUM BY SPARTINA ALTERNIFLORA AND DISTICHLIS SPICATA. BOT. GAZ. 142: 402-407. 1981. MARSH GRASS; SALT GRASS GRAMINEAE: SPARTINA ALTERNIFLORA, DISTICHLIS SPICATA GERMINATION DISH, GROWTH CHAMBER, POT CALCIUM, CHLORIDE, SODIUM MINERAL UPTAKE
656. PARSONS, R. F. SALT-SPRAY EFFECTS IN HEATHLANDS. HEATHLANDS AND RELATED SHRUBLANDS: ANALYTICAL STUDI. 225-230. 1981. SALT SPRAY
657. PASRICHA, N. S.; PONNAMPERUMA, F. N. CHEMISTRY OF SUBMERGED SALINE, ALKALI SOILS. I. INFLUENCE OF SALINITY ON THE CHEMICAL AND ELECTRO-CHEMICAL KINETICS AND GROWTH OF RICE. RISO 27: 3-11. 1978. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SODIUM, CHLORIDE GRAIN YIELD, STRAW YIELD, VEGETATIVE GROWTH
658. PASSERA, C.; ALBUZIO, A. EFFECT OF SALINITY ON PHOTOSYNTHESIS AND PHOTORESPIRATION OF TWO WHEAT SPECIES (TRITICUM DURUM CV. PEPE 2122 AND TRITICUM AESTIVUM CV. MARZOTTO). CAN. J. BOT. 56: 121-126. 1978. WHEAT GRAMINEAE: TRITICUM DURUM, TRITICUM AESTIVUM SAND, POT SODIUM, CHLORIDE PHOTOSYNTHESIS, CHLOROPHYLL, PROTEIN, CARBON DIOXIDE ASSIMILATION, RESPIRATION
659. PASTERNAK, D.; DE MALACH, Y.; MIZRACHI, Y.; BOROVITC, I. EFFECT OF BRACKISH WATER IRRIGATION ON YIELD AND QUALITY OF MUSKMELONS. (HEB; ENG SUM). HASSADEH 58: 2114-2121. 1978. MUSKMELON CUCURBITACEAE: CUCUMIS MELO FIELD PLOT BRACKISH WATER, VARIETY YIELD
660. PASTERNAK, D.; TWERSKY, M.; DEMALACH, Y. SALT RESISTANCE IN AGRICULTURAL CROPS. STRESS PHYSIOL. IN CROP PLANTS. INTL. CONF. ON STRESS PHYSIOL. IN CROP PLANTS, BOYCE THOMPSON INST. PLANT RES. ITHACA, NY, JUNE, 1977; 127-143. 1979. TOMATO; COTTON MALVACEAE: GOSSYPIUM HIRSUTUM; SOLANACEAE: LYCOPERSICON ESCULENTUM VEGETATIVE GROWTH, YIELD, GERMINATION
661. PATEL, P. M.; WALLACE, A.; MUELLER, R. T. SALT TOLERANCE OF HUNTALAS COMPARED WITH OTHER AVOCADO ROOTSTOCKS. YEARB. CALIF. AVOCADO SOC. 59: 78-85. 1976. AVOCADO LAURACEAE: PERSEA AMERICANA GREENHOUSE, POT, SOIL VARIETY, SODIUM, CHLORIDE, NITRATE, NITROGEN VEGETATIVE GROWTH, PHOTOSYNTHESIS, TRANSPIRATION, MINERAL COMPOSITION, WATER POTENTIAL
662. PATEL, P.; WALLACE, A. EFFECT OF MIXED SALINITY AND P FERTILITY ON YIELD AND MICRO-ELEMENT COMPOSITION OF TOMATO, SWEET CORN AND SUDAN GRASS GROWN IN SAND CULTURE. INDIAN J. AGRON. 20: 29-34. 1975. TOMATO; SWEET CORN; SUDAN GRASS SOLANACEAE: LYCOPERSICON ESCULENTUM; GRAMINEAE: ZEA MAYS, SORGHUM SUDANENSE GREENHOUSE, SAND, SAND TANK, POT POTASSIUM, CALCIUM, SODIUM, CHLORIDE YIELD, VEGETATIVE GROWTH

663. PATHAK, A. N.; TIWARI, K. N.; UPADHYAY, R. L. STUDIES ON FE AND ZN NUTRITION OF RICE IN SALINE-ALKALI SOIL AT DIFFERENT MOISTURE REGIMES. INDIAN J. AGRIC. SCI. 45: 335-339. 1975. RICE GRAMINEAE: ORYZA SATIVA GREENHOUSE, SOIL, POT IRON, ZINC, WATER CONTENT IRON UPTAKE, ZINC UPTAKE
664. PATIL, V. K. SALINITY AND ALKALINITY IN CITRUS - A REVIEW. J. MAHARASHTRA AGRIC. UNIV. 4: 1-6. 1979. ORANGE; GRAPEFRUIT; LEMON CHLORIDE, SODIUM, SULFATE, BICARBONATE SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE, MINERAL COMPOSITION
665. PATIL, V. K.; BHAMBOTA, J. R. SALINITY STUDIES IN CITRUS. 1. EFFECT OF VARIOUS LEVELS OF SALINITY ON THE MACRONUTRIENT STATUS OF SEEDLING ROOTSTOCKS. J. INDIAN SOC. SOIL SCI. 28: 72-79. 1980. CITRUS RUTACEAE: CITRUS GREENHOUSE, SOIL SODIUM, CHLORIDE PHOSPHORUS UPTAKE, NITROGEN UPTAKE, POTASSIUM UPTAKE, CALCIUM UPTAKE, SODIUM UPTAKE
666. PATOLIA, J. S. IYENGAR, E. R. R. SALINITY EFFECTS ON EARLY AND MEDIUM DURATION CULTURES OF RICE DURING GERMINATION. ORYZA 16: 66-67. 1979. RICE GRAMINEAE: ORYZA SATIVA SEA WATER GERMINATION
667. PATOLIA, J. S.; KURIAN, T.; PANDYA, J. B.; IYENGAR, E. R. R.; MEHTA, R. R. RELATIVE PERFORMANCE OF WHEAT VARIETIES TO SEA WATER DILUTIONS. CURR. AGRIC. 2: 35-38. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, WATER CULTURE SEA WATER VISUAL SYMPTOMS, GRAIN YIELD, VEGETATIVE GROWTH, GRAIN WEIGHT, MINERAL COMPOSITION
668. PEARSON, G. A. RESPONSE OF ASPARAGUS TO APPLICATIONS OF SIMULATED VEGETABLE-PROCESSING WASTE WATER. J. ENVIRON. QUAL. 4: 337-339. 1975. ASPARAGUS LILIACEAE: ASPARAGUS OFFICINALIS SOIL, FIELD PLOT SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SUCROSE SPEAR YIELD, PLANT SURVIVAL
669. PEREZ ESCOLAR, R.; ORTIZ VELEZ, J. S. PERFORMANCE OF SUGARCANE VAR. PR 980 GROWN ON A PARTIALLY RECLAIMED SALINE SODIC SOIL OF THE LAJAS VALLEY. J. AGRIC. UNIV. PUERTO RICO 63: 377-385. 1979. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM SOIL, FIELD PLOT SALINE SOIL CANE YIELD, SUCROSE YIELD
670. PESSOA DA COSTA, G. T.; SMUCKER, A. J. M. INTERACTION OF OXYGEN-NITROGEN-SALINITY STRESSES ON PLANT GROWTH AND MINERAL CONTENT OF SUNFLOWER (HELIANTHUS ANNUUS L.) IN SAND CULTURE. J. PLANT NUTR. 3: 887-903. 1981. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS SAND, GREENHOUSE SODIUM, CHLORIDE, NITROGEN, OXYGEN GERMINATION, VEGETATIVE GROWTH, ION UPTAKE, HEIGHT, LEAF FREQUENCY, OXYGEN UPTAKE, NITROGEN UPTAKE, SODIUM UPTAKE
671. PETERS, I.; SILVA, J. C.; GALVAO, J. D. VARIABILIDADE GENETICA DA TOLERANCIA A SALINIDADE CAUSADA POR SULFATO DE AMONIO EM MILHO (ZEA MAYS L.) VARIEDADE 'PIRANAO'. GENETIC VARIABILITY OF SALINITY TOLERANCE CAUSED BY AMMONIUM SULFATE IN MAIZE (ZEA MAYS L.). (POR; ENG SUM). REV. CERES 27: 163-179. 1980. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, SOIL AMMONIUM, SULFATE VEGETATIVE GROWTH, ROOT GROWTH, SHOOT GROWTH, EMERGENCE, GERMINATION
672. PETERS, J. R. BARLEY PRODUCTION ON SALINE SEEP AREAS. PROC. SUBCOM. SALT-AFFECTED SOILS, 11TH INTER. SOIL SCI. SOC. CONGR., EDMONTON, CANADA, JUNE 1978:5.31-5.40. BARLEY GRAMINEAE: HORDEUM VULGARE FIELD, SOIL SALINE SEEPS, SALINE SOIL, FERTILIZER GRAIN YIELD
673. PETOLINO, J. F.; LEONE, I. A. SALINE AEROSOL: SOME EFFECTS ON THE PHYSIOLOGY OF PHASEOLUS VULGARIS. PHYTOPATHOLOGY

- 70: 229-232. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS POT, SOIL, GREENHOUSE, SEDIMENTATION CHAMBER SALT SPRAY CHLORIDE UPTAKE, NITROGEN UPTAKE, CHLOROPHYLL, SUGAR, STARCH, AMINO ACID, PHOTOSYNTHESIS, RESPIRATION, WATER CONTENT, TRANSPIRATION
674. PEYNADO, A.; SLUIS, N. J. CHLORIDE AND BORON TOLERANCE OF YOUNG "RUBY RED" GRAPEFRUIT TREES AFFECTED BY ROOTSTOCK AND IRRIGATION METHOD. J. AMER. SOC. HORT. SCI. 104:133-136. 1979. GRAPEFRUIT RUTACEAE: CITRUS PARADISI GREENHOUSE DRIP IRRIGATION, FLOOD IRRIGATION, SODIUM, CALCIUM, CHLORIDE, ROOTSTOCK CHLORIDE UPTAKE, BORON UPTAKE, CHLORIDE TOLERANCE, BORON TOLERANCE
675. PIERGENTILI, D.; VIDAL, A. A. BUPLEURUM TEHUISSIMUM L. PROMISORIA UMBELIFERA FORRAJERA. BUPLEURUM TENUISSIMUM L. A PROMISING UMBELLIFERAE AS FORAGE. (SPA.). REV. FAC. AGRON. 45: 78-81. 1970. THOROUGHWAX UMBELLIFERAE: BUPLEURUM TENUISSIMUM ALKALI SOIL MINERAL COMPOSITION, BOTANICAL DESCRIPTION
676. PINNERUP, S. P. LEAF PRODUCTION OF ZOSTERA MARINA L. AT DIFFERENT SALINITIES. OPHELIA (SUPPL. 1): 219-224. 1980. ZOSTERA ZOSTERACEAE: ZOSTERA MARINA BRACKISH WATER LEAF GROWTH, VEGETATIVE GROWTH
677. PITELKA, L. F.; KELLOGG, D. L. SALT TOLERANCE IN ROADSIDE POPULATIONS OF TWO HERBACEOUS PERENNIALS. BULL. TORREY BOT. CLUB. 106: 131-134. 1979. WHEATGRASS, SLENDER; GOLDENROD, EARLY GRAMINEAE: AGROPYRON TRACHYCAULUM; COMPOSITAE: SOLIDAGO JUNCEA GREENHOUSE, POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, LEAF INJURY
678. PIZARRO, O. C.; BRAUN, R. H. INTOXICACION BORICA EN VIDES DE LA RIOJA. BORON TOXICITY IN GRAPES AT RIOJA (SPA). IDIA 191: 13-19. 1963. GRAPE VITACEAE: VITIS FIELD PLOT, SOIL BORON CHLORIDE UPTAKE, BORON UPTAKE
679. POLJAKOFF-MAYBER, A. BIOCHEMICAL AND PHYSIOLOGICAL RESPONSES OF HIGHER PLANTS TO SALINITY STRESS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 245-269. 1982. PEA LEGUMINOSAE: PISUM SATIVUM GERMINATION DISHES SALINITY OSMOTIC POTENTIAL, ENZYME
680. POLJAKOFF-MAYBER, A.; BAR-NUN, N.; HASSON, E.; HEICHAL, O. RESPIRATORY CARBOHYDRATE METABOLISM OF DIFFERENT PEA VARIETIES UNDER SALINE CONDITIONS. BOT. GAZ. 142: 431-437. 1981. PEA LEGUMINOSAE: PISUM SATIVUM, PISUM ELATIUS, PISUM FULVUM VERMICULITE SODIUM, CHLORIDE ROOT GROWTH, PENTOSE PHOSPHATE PATHWAY, ENZYME, GLUCOSE-6-PHOSPHATE DEHYDROGENASE
681. POLLAK, G.; WAISEL, Y. ECOPHYSIOLOGY OF SALT EXCRETION IN AELUROPUS LITORALIS (GRAMINEAE). PHYSIOL. PLANT. 47: 177-184. 1979. SALTGRASS, MEDITERRANEAN GRAMINEAE: AELUROPUS LITTORALIS GROWTH CHAMBER, GREENHOUSE, VERMICULITE SODIUM, CHLORIDE, POTASSIUM SODIUM UPTAKE, SODIUM EXCRETION, POTASSIUM UPTAKE
682. PONNAMPERUMA, F. N. SCREENING RICE FOR TOLERANCE TO MINERAL STRESSES. IRRI RESEARCH PAPER SERIES, 6: 21 P. 1977. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL, FIELD PLOT SODIUM, CHLORIDE, CARBONATE, VARIETY VEGETATIVE GROWTH
683. POONIA, S. R.; BHUMBLA, D. R. EFFECT OF ESP ON THE AVAILABILITY OF CA FROM SOIL AND ADDED GYPSUM TO MAIZE (ZEA MAYS) AND DHAINCHA (SESBANIA ACULEATA). PLANT SOIL 36: 671-679. 1972. CORN; SESBANIA GRAMINEAE: ZEA MAYS; LEGUMINOSAE: SESBANIA ACULEATA GYPSUM, SODIUM, CHLORIDE YIELD, CHLORIDE UPTAKE, SODIUM UPTAKE

684. POONIA, S. R.; JOHORAR, L. R.; NATH, J.; KHANNA, S. S. EFFECT OF QUALITY OF IRRIGATION WATER, LEACHING LEVELS AND FARMYARD MANURE ON THE PERFORMANCE OF WHEAT AND PEARL-MILLET. INDIAN J. AGRIC. SCI. 44: 854-859. 1974. WHEAT; MILLET, PEARL GRAMINEAE: TRITICUM AESTIVUM, PENNISETUM TYPHOIDES SOIL, FIELD PLOT SODIUM, CALCIUM, CHLORIDE, LEACHING, MANURE, IRRIGATION METHOD STRAW YIELD, GRAIN YIELD, MINERAL COMPOSITION
685. POONIA, S. R.; VIRMANI, S. M.; BHUMBLA, D. R. EFFECT OF ESP OF THE SOIL ON THE YIELD, CHEMICAL COMPOSITION AND UPTAKE OF APPLIED CALCIUM BY WHEAT. J. INDIAN SOC. SOIL SCI. 20: 183-185. 1972. WHEAT GRAMINEAE: TRITICUM AESTIVUM SAND, SOIL SODIUM, CALCIUM VEGETATIVE GROWTH, CALCIUM UPTAKE
686. POSPISILOVA, J. WATER RELATIONS IN PRIMARY LEAVES OF BEAN PLANTS TREATED WITH POLYETHYLENE GLYCOL SOLUTIONS. BIOL. PLANT. 19: 316-319. 1977. BEAN, FRENCH LEGUMINOSAE: PHASEOLUS VULGARIS POT, SAND, GROWTH CHAMBER POLYETHYLENE GLYCOL WATER POTENTIAL, OSMOTIC POTENTIAL
687. POTTS, M. J. DEPOSITION OF AIR-BORNE SALT ON PINUS RADIATA AND THE UNDERLYING SOIL. J. APPL. ECOL. 15: 543-550. 1978. PINE, MONTEREY PINACEAE: PINUS RADIATA FIELD, SOIL SALT SPRAY, SALINE WATER SODIUM UPTAKE, CALCIUM UPTAKE, LEAF INJURY
688. PRABHAKARASHETTY, T. K.; MANADEVAPPA, M.; RABINDRA, B.; NAIDU, B. S. PERFORMANCE OF PROMISING SALT-TOLERANT RICE VARIETIES IN KARNATAKA, INDIA. INT. RICE RES. NEWSL. INT. RICE REST. INST. 3: 13-14. 1978. RICE GRAMINEAE: ORYZA SATIVA PLOT, SOIL VARIETY, SALINE SOIL, PHOSPHORUS YIELD, GROWTH RATE
689. PRASAD, S. V.; RAO, G. G.; RAO, G. R. STUDIES ON SALT TOLERANCE OF RAGI (ELEUSINE CORACANA GAERTN). 1. GERMINATION AND FREE PROLINE ACCUMULATION. PROC. INDIAN ACAD. SCI. PLANT SC. 89: 481-484. 1980. MILLET, FINGER; MILLET, AFRICAN GRAMINEAE: ELEUSINE CORACANA GERMINATION DISH SODIUM, CHLORIDE, CALCIUM GERMINATION, PROLINE
690. PRIEBE, A.; JAGER, H. J. EFFECT OF SODIUM CHLORIDE ON THE LEVELS OF PUTRESCINE AND RELATED POLYAMINES IN PLANTS DIFFERING IN SALT TOLERANCE PLANT SCI. LETT. 12:365-369. 1978. BEAN, BROAD; SEA ORACH; SAMPHIRE; SALTBUSH CHENOPODIACEAE: SALICORNIA EUROPAEA, ATRIPLEX NITENS, ATRIPLEX CALOTHECA, ATRIPLEX HALIMUS; LEGUMINOSAE: VICIA FABA GREENHOUSE SODIUM, CHLORIDE PUTRESCINE, SPERMIDINE, SPERMINE, POLYAMINE
691. PRIEBE, A.; JAGER, H. J. EINFLUSS VON NaCl AUF WACHSTUM UND IONENGEHALT UNTERSCHIEDLICH SALZTOLERANTER PFLANZEN. INFLUENCE OF SODIUM CHLORIDE ON GROWTH AND ION CONTENT OF PLANTS DIFFERING IN SALT TOLERANCE. (GER; ENG SUM). AGNEW BOT. 52: 331-342. 1978. BEAN, BROAD; ORACH, SEA LEGUMINOSAE: VICIA FABA; CHENOPODIACEAE: ATRIPLEX NITENS, ATRIPLEX CALOTHECA, ATRIPLEX HALIMUS SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION
692. PRIEBE, A.; JAGER, H. J. RESPONSES OF AMINO ACID METABOLIZING ENZYMES FROM PLANTS DIFFERING IN SALT TOLERANCE TO NaCl. OECOLOGIA 36: 307-315. 1978. BEAN, BROAD; ORACH, SEA; SALTBUSH LEGUMINOSAE: VICIA FABA; CHENOPODIACEAE: ATRIPLEX NITENS, ATRIPLEX CALOTHECA, ATRIPLEX HALIMUS GREENHOUSE SODIUM, CHLORIDE GLUTAMATE DEHYDROGENASE, GLUTAMIC-OXALOACETIC TRANSAMINASE, ASPARTATE, KETOGLUTARATE
693. PRIKHOD'KO, L. A.; KLYSHEV, L. K. EFFECT OF THE MEDIUM SALTING WITH NaCl ON PEPTIDE COMPOSITION OF COTTON PLANT ROOTS. (RUS; ENG SUM). FIZIOL BIOKHM. KULT. RAST. 11: 373-379. 1979. COTTON MALVACEAE: GOSSYPIUM SODIUM, CHLORIDE PEPTIDE

694. PRISCO, J. T.; SOUTO, G. F.; REBOUCAS FERREIRA, L. G. OVERCOMING SALINITY INHIBITION OF SORGHUM SEED GERMINATION BY HYDRATION-DEHYDRATION TREATMENT. PLANT SOIL 49: 199-206. 1978. SORGHUM GRAMINEAE: SORGHUM BICOLOR WATER CULTURE SODIUM, CHLORIDE, HYDRATION-DEHYDRATION GERMINATION, SEEDLING EMERGENCE
695. PUROHIT, D. C.; TRIPATHI, R. S. PERFORMANCE OF SAME SALT TOLERANT PADDY VARIETIES IN CHAMBAL COMMANDED AREA TO RAJASTHAN. ORYZA 9: 19-20. 1972. RICE GRAMINEAE: ORYZA SATIVA SOIL, FIELD PLOT VARIETY, SALINE SOIL GRAIN YIELD
696. RACITI, G.; SALERNO, M. TOSSICITA DA BORO SU ARANCIO IN SICILIA. BORON TOXICITY ON SWEET ORANGES IN SICILY (ITA; ENG SUM). ANNALI DELL'ISTITUTO SPERIMENTALE PER L'AGRICOLTURA, 7-8: 207-218. 1974-1975. ORANGE, SWEET RUTACEAE: CITRUS SINENSIS FIELD, SOIL BORON BORON UPTAKE, BORON TOXICITY, MINERAL COMPOSITION
697. RAI, A.; KHEPAR, S. D.; SINHA, B. K. RELATIONSHIP BETWEEN WATER TABLES DEPTH, SALINITY AND MAIZE YIELD. J. AGRIC. ENG. 17: 81-86. 1980. CORN GRAMINEAE: ZEA MAYS LYSIMETERS, SOIL WATER TABLE, SALINE WATER VEGETATIVE GROWTH, GRAIN YIELD
698. RAI, B.; SINGH, R. B.; DIXIT, V. K. EFFECT OF DIFFERENT METHODS OF SOWING ON SALINE-SODIC SOIL ON THE GROWTH AND YIELD OF THE MUSTARD CROP. INDIAN J. AGRIC. RES. 14: 17-21. 1980. MUSTARD CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT, SOIL SALINE SOIL, PLANTING METHOD VEGETATIVE GROWTH, STRAW YIELD, GRAIN YIELD, GERMINATION, LEAF FREQUENCY
699. RAI, M. IMPACT OF SALINE WATER IRRIGATION ON SOME CROPS AND THEIR VARIETIES. ANN. ARID ZONE 19: 231-237. 1980. WHEAT; BARLEY; SUNFLOWER; SAFFLOWER; MUSTARD, LEAF GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE; COMPOSITAE: HELIANTHUS ANNUUS, CARTHAMUS TINCTORIUS; CRUCIFERAE: BRASSICA JUNCEA FIELD PLOT CALCIUM, CHLORIDE, SODIUM, SULFATE GERMINATION, GRAIN YIELD
700. RAI, M. SALINITY TOLERANCE IN INDIAN MUSTARD AND SAFFLOWER. INDIAN J. AGRIC. SCI. 47: 70-73. 1977. MUSTARD; SAFFLOWER CRUCIFERAE: BRASSICA JUNCEA; COMPOSITAE: CARTHAMUS TINCTORIUS SOIL VARIETY, SODIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE STRAW YIELD, GRAIN YIELD, GERMINATION
701. RAI, M. VARIETAL RESITANCE TO SALINITY IN MAIZE. INDIAN J. PLANT PHYSIOL. 20:100-104. 1977. CORN GRAMINEAE: ZEA MAYS FIELD PLOT, SOIL VARIETY, CALCIUM, SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, SALT TOLERANCE, GRAIN YIELD
702. RAI, M. VARIETAL TOLERANCE IN RABI CEREALS TO THE APPLICATION OF SALINE WATER. INDIAN J. AGRON. 22: 206-211. 1977. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE SOIL, SAND, FIELD PLOT SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, GERMINATION, OSMOTIC PRESSURE, YIELD
703. RAINS, D. SALT TOLERANCE - NEW DEVELOPMENTS. IN: ADVANCES IN FOOD PRODUCING SYSTEMS FOR ARID AND SEMI-ARID LANDS. J. T. MANAS, ERNE, S. (EDS). NEW YORK ACADEMIC PRESS. 1981. 16 P. SALT TOLERANCE
704. RAJASEKARAN, L. R.; SHANMUGAVELU, K. G. A NOTE ON SALT TOLERANCE OF DIFFERENT VARIETIES OF TOMATO (LYCOPERSICON-ESCULENTUM MILL.) AT GERMINATION. UNIV. AGRIC. SCI. BANGALORE CURR. RES. 9: 138-139. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM GERMINATION DISHES SODIUM, CHLORIDE GERMINATION

705. RAKOVA, N. M.; KLYSHEV, L. K.; KASYMBEKOV, B. K. EFFECTS OF Na_2SO_4 AND NaCl ON ACTIVITY OF THE ENZYMES OF PRIMARY AMMONIUM NITROGEN ASSIMILATION IN PLANT ROOTS. SOV. PLANT PHYSIOL. 25: 26-30. 1978. PEA; CORN GRAMINEAE: ZEA MAYS; LEGUMINOSAE: PISUM SATIVUM WATER CULTURE SODIUM, SULFATE, CHLORIDE, NITRATE, AMMONIUM GLUTAMATE DEHYDROGENASE, GLUTAMINE SYNTHETASE
706. RAMAGE, R. T. GENETIC METHODS TO BREED SALT TOLERANCE IN PLANTS. IN: GENETIC ENGINEERING OF OSMOREGULATION: IMPACT ON PLANT PRODUCTIVITY FOR FOOD, CHEMICALS, AND ENERGY. D. W. RAINS, R. C. VALENTINE, AND A. HOLLAENDER (EDS) PLENUM PRESS, NEW YORK. 311-318. 1980. SALINE WATER, SALINE SOIL SALT TOLERANCE
707. RAMANA, K. V.; RAO, K. R. EFFECT OF GIBBERELLIC ACID ON THE SALT INDUCED GROWTH OF GROUNDNUT (ARACHIS HYPOGAEA L.) SEEDLINGS. ANDHRA AGRIC. J. 17:44-48. 1970. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES GIBBERELIC ACID, SODIUM, CHLORIDE, CARBONATE ROOT GROWTH, SEEDLING GROWTH
708. RAMMUNO, J. N. FORRAGJERAS CULTIVADAS PARA SUELOS SALINOS Y/O ALCALINOS. CULTIVATED FORAGES FOR SALINE AND/OR ALKALINE SOILS. (SPA.) EST. EXP. REG. AGROP. MARCOS JUAREZ (ARGENTINA) HOJA INFORMATIVA 5 PP. 1980. WHEATGRASS; WHEATGRASS, TALL: RHODES GRASS; CLOVER, WHITE SWEET; CLOVER, YELLOW SWEET; WEEPING LOVE GRASS; FESCUE, REED; CLOVER, WHITE; CHICORY GRAMINEAE: AGROPYRON SCABRIFOLIUM, AGROPYRON ELONGATUM, CHLORIS GAYANA, ERAGROSTIS CURVULA, FESTUCA ELATIOR; LEGUMINOSAE: MELILOTUS ALBA, MELILOTUS OFFICINALIS, TRIFOLIUM REPENS; COMPOSITAE: CICHORIUM
709. RANWELL, D. S.; WINN, J. M.; ALLEN, S. E. ROAD SALTING EFFECTS ON SOIL AND PLANTS. SODIUM IN ROADSIDE VERGE SOIL AND VEGETATION AND USE OF SALT FOR DE-ICING. NATURAL ENVIRON. RES. COUNCIL. : 21 PP. 1973. GRASSES; LEGUMES; TREE; SHRUB FIELD, SOIL DEICING SALT SALT TOLERANCE
710. RAO, G. G., ROSE, B. V.; RAO, G. R. SALT INDUCED ANATOMICAL CHANGES IN THE LEAVES OF PIGEON PEA (CAJANUS INDICUS SPRENG.) AND CLUSTER BEAN (CYAMOPSIS TETRAGONOLOBA (L.) TABU.). PROC. INDIAN ACAD. SCI., SEC. B., 88: 293-301. 1979. CAJAN; GUAR LEGUMINOSAE: CAJANUS CAJAN, CYAMOPSIS TETRAGONOLOBUS POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, CHLOROPLAST, XYLEM, PHLOEM, ANATOMICAL RESPONSE
711. RAO, G. G.; BASHA, S. K. M.; RAO, G. R. EFFECT OF NaCl SALINITY ON AMOUNT AND COMPOSITION OF EPICUTICULAR WAX AND CUTICULAR TRANSPIRATION RATE IN PEANUT ARACHIS HYPOGAEA L. INDIAN J. EXP. BIOL. 19: 880-881. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE EPICUTICULAR WAX, TRANSPIRATION
712. RAO, G. G.; MALLIKARJUNA, K.; RAO, P. G.; RAO, G. R. PHYSIOLOGICAL CHANGES IN EARLY SEEDLING GROWTH OF GREEN GRAM UNDER NaCl SALINITY. INDIAN J. EXP. BIOL. 18: 320-322. 1980. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES SODIUM, CHLORIDE CARBOHYDRATE, SUGAR, REDUCING SUGAR, STARCH, PROTEIN, PROTEIN NITROGEN, NITROGEN, AMINO ACID
713. RAO, G. G.; RAMAIAH, J. K.; RAO, G. R. SALINITY INDUCED CHANGES IN THE ACTIVITIES OF ASPARTATE AND ALANINE AMINO TRANSFERASES AND GLUTAMATE DEHYDROGENASE IN PEANUT (ARACHIS HYPOGAEA L.) LEAVES. INDIAN J. EXP. BOT. 19: 771-772. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE ENZYME, GLUTAMATE DEHYDROGENASE, ASPARTATE AMINOTRANSFERASE, ALANINE
714. RAO, G. G.; RAO, G. R. PIGMENT COMPOSITION AND CHLOROPHYLLASE ACTIVITY IN PIGEON PEA (CAJANUS INDICUS SPRENG) AND

- GINGELLEY (SESAMUM INDICUM L.) UNDER NA₂CO₃ SALINITY. INDIAN J. EXP. BIOL. 19: 768-770. 1981. PEA, PIGEON; SESAME LEGUMINOSAE: CAJANUS INDICUS; PEDALIACEAE: SESAMUM INDICUM POT, SOIL SODIUM, CHLORIDE CHLOROPHYLL, CAROTENOIDS, CHLOROPHYLL "A", CHLOROPHYLL "B", CHLOROPHYLLASE ACTIVITY
715. RAO, G. G.; RAO, G. R. SALINITY INDUCED CHANGES IN KETOACIDS IN THE LEAVES OF PIGEON PEA. INDIAN J. EXP. BIOL. 16: 270-271. 1978. CAJAN; PEA, PIGEON LEGUMINOSAE: CAJANUS CAJAN SOIL, POT SODIUM, CHLORIDE KETOACIDS, PHOSPHOENOL PYRUVIC ACID, PYRUVIC ACID, OXALOACETIC ACID, GLYOXYLIC ACID, KETOGLUTARIC ACID
716. RAO, G. G.; RAO, G. R. SODIUM CHLORIDE SALINITY INDUCED KETO ACID AND AMINO ACID CHANGES IN GROUNDNUT (ARACHIS HYPOGAEA L.) LEAVES. INDIAN J. PLANT PHYSIOL. 22: 121-126. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT, SOIL SODIUM, CHLORIDE KETOACIDS, AMINO ACID, KETOGLUTARIC ACID, GLYOXYLIC ACID, PYRUVIC ACID, PHOSPHOENOL PYRUVIC ACID, OXALOACETIC ACID
717. RAO, K. B.; BHAT, G. G.; BHARAMAGOWDAR, T. D.; PANCHAKSHARIAH, S. HYDROCYANIC ACID CONTENT IN SORGHUM AS AFFECTED BY AGE AND SOIL SALINITY. CURR. SCI. 47:95-96. 1978. SORGHUM GRAMINEAE: SORGHUM BICOLOR FIELD PLOT VARIETY, SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE, BICARBONATE HYDROCYANIC ACID
718. RAO, K. S.; DAS, V. S. R. LEVELS OF MITOCHONDRIAL ENZYME ACTIVITY IN ARACHIS HYPOGAEA L. SEEDLINGS GROWN UNDER STRESS OF CHLORIDE AND CARBONATE OF SODIUM INDIAN J. EXP. BIOL. 17: 406-408. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISH SODIUM, CHLORIDE, CARBONATE ENZYME ACTIVITY, MITOCHONDRIA, SUCCINATE, DEHYDROGENASE, CYTOCHROME OXIDASE
719. RAO, K. S.; DAS, V. S. R. MITOCHONDRIAL CATION ACCUMULATION IN ARACHIS-HYPOGAEA L. SEEDLINGS UNDER SALINE AND ALKALINE STRESS. INDIAN J. EXP. BIOL. 16: 840-842. 1978. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHES SODIUM, CHLORIDE, CARBONATE MITOCHONDRIA, MINERAL COMPOSITION
720. RASHID, A. EFFECT OF TYPE OF SALINITY ON DRY MATTER YIELD AND CHEMICAL COMPOSITION OF WHEAT CROP. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21. 1978. 210-214. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, SAND, SOIL, POT SODIUM, CHLORIDE YIELD, SODIUM UPTAKE
721. RASHID, M.; FASAHAH A. K. M. RESPONSE OF SOME NEW CORN VARIETIES TO FERTILIZERS UNDER ARTIFICIAL SALINE CONDITIONS. ZANCO SER. A PURE APPL. SCI. 5: 1-15. 1979. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, POT, SOIL SODIUM, CHLORIDE, SULFATE, BICARBONATE VEGETATIVE GROWTH, ASH, NITROGEN, PHOSPHORUS
722. RASMUSSEN, G. K.; FURR, J. R.; COOPER, W. C. ETHYLENE PRODUCTION BY CITRUS LEAVES FROM TREES GROWN IN ARTIFICIALLY SALINIZED PLOTS. J. AM. SOC. HORTIC. SCI. 94: 640-641. 1969. LEMON RUTACEAE: CITRUS LIMON SOIL SODIUM, CALCIUM, CHLORIDE ETHYLENE, CHLORIDE UPTAKE
723. RASUL, E.; YAQUB, M. EFFECT OF SALINITY ON ULTRASTRUCTURE OF PLANTS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 32-36. SODIUM, CHLORIDE SALT TOLERANCE, MITOCHONDRIA, SALT GLANDS, CELL NUCLEUS, CHLOROPLAST
724. RATHERT, G.; DOERING, H. W. INFLUENCE OF EXTREME K:NA RATIOS AND HIGH SUBSTRATE SALINITY ON PLANT METABOLISM OF CROPS

DIFFERING IN SALT TOLERANCE. II. K/NA EFFECTS ON GROWTH AND MINERAL REGULATION OF DIFFERENT SALT TOLERANT SOYBEAN VARIETIES. J. PLANT NUTR. 3: 987-996. 1981. BEAN, BUSH; SOYBEAN; BEET, SUGAR LEGUMINOSAE: PHASEOLUS VULGARIS, GLYCINE MAX; CHENOPODIACEAE: BETA VULGARIS GROWTH CHAMBER, POT SODIUM, CHLORIDE, SULFATE YIELD, ROOT GROWTH, VEGETATIVE GROWTH, HEIGHT

725. RATHERT, G.; DOERING, H. W.; WITT, J. INFLUENCE OF EXTREME K:NA RATIOS AND HIGH SUBSTRATE SALINITY ON PLANT METABOLISM OF CROPS DIFFERING IN SALT TOLERANCE. I. K/NA EFFECTS ON GROWTH, MINERAL UPTAKE AND DISTRIBUTION OF EXTREME SALT TOLERANT CROP SPECIES. J. PLANT NUTR. 3: 967-986. 1981. BEAN, BUSH; SOYBEAN; BEET, SUGAR LEGUMINOSAE: PHASEOLUS VULGARIS, GLYCINE MAX; CHENOPODIACEAE: BETA VULGARIS GERMINATION DISH, POT SODIUM SODIUM UPTAKE, CALCIUM UPTAKE, LEAF FREQUENCY, SALT TOLERANCE, YIELD, VEGETATIVE GROWTH
726. RATHORE, A. K.; SHARMA, R. K.; LAL, P. RELATIVE SALT TOLERANCE OF DIFFERENT VARIETIES OF BARLEY (HORDEUM VULGARE L.) AT GERMINATION AND SEEDLING STAGE. ANN. ARID ZONE 16: 53-60. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE GERMINATION DISHES VARIETY, CALCIUM, MAGNESIUM, SODIUM, CHLORIDE GERMINATION
727. RAUF, A. SALT TOLERANCE STUDIES OF WHEAT C-273 AND MAXIPAK (RED.). BANGLADESH J. SOIL SCI. 6:32-37. 1970. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SALINE SOIL GRAIN YIELD, STRAW YIELD, VEGETATIVE GROWTH
728. RAUF, A.; JAVED, Q.; MUHAMMED, S.; MUHAMMED, W. SALT TOLERANCE STUDIES ON WHEAT SEEDS COLLECTED FROM SALT-AFFECTED AREAS. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21. 1978: 215-221. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, CALCIUM GERMINATION, TILLERING, HEIGHT, GRAIN YIELD
729. RAUF, A.; MIAN, M. A. EFFECT OF SALTS ON THE GROWTH PERFORMANCE OF SORGHUM 100 AND WHEAT C250. PAK. J. SCI. 19: 87-96. 1967. SORGHUM; WHEAT GRAMINEAE: SORGHUM BICOLOR, TRITICUM AESTIVUM SOIL, POT SODIUM, CHLORIDE, MAGNESIUM, SULFATE, CARBONATE, BICARBONATE GERMINATION, VEGETATIVE GROWTH, GRAIN YIELD, STRAW YIELD
730. RAY, N. BURMAN, R. K.; SHARMA, S. C.; AGRAWAL, V. K. EFFECT OF DIFFERENT LEVELS OF ALKALINITY ON THE PERFORMANCE OF WHEAT IN BLACK COTTON SOIL. INDIAN AGRIC. 21: 121-127. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT SODIUM, BICARBONATE VEGETATIVE GROWTH, GERMINATION, HEIGHT, GRAIN WEIGHT, GRAIN YIELD, MINERAL COMPOSITION
731. RESNICK, M. E. TOXICIDAD DEL SODIO EN PLANTULAS DE PALTA Y DISTRIBUCION DE ESE ELEMENTO EN LAS ZONAS DE IAS HOJAS. SODIUM TOXICITY AND CONTENT IN AFFECTED LEAF AREAS OF AVOCADO SEEDLINGS. (SPA; ENG SUM) REV. INVEST. AGRO. PECU., SER. 2, 3: 341-345. 1966. AVOCADO LAURACEAE: PERSEA AMERICANA SOIL SODIUM, CARBONATE SODIUM UPTAKE, TOXICITY SYMPTOM
732. RICHARDS, R. A.; DENNETT, C. W.; SCHALLER, C. W.; QUALSET, C. O.; EPSTEIN, E. SELECTION FOR YIELD IN CEREALS FOR SALT-AFFECTED CROPLANDS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 535-537. 1982. WHEAT; BARLEY GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE FIELD SALINE SOIL SELECTIVE BREEDING, VEGETATIVE GROWTH, GRAIN YIELD
733. RICHARDSON, S. G.; MC KELL, C. M. SALT TOLERANCE OF TWO SALTBUSH SPECIES GROWN IN PROCESSED OIL SHALE. J. RANGE MANAGE. 33: 460-463. 1980. SALTBUSH, FOURWING; SALTBUSH, CUNEATA CHENOPODIACEAE: ATRIPLEX CANESCENS, ATRIPLEX CUNEATA GREENHOUSE SODIUM, CHLORIDE, OIL SHALE VEGETATIVE GROWTH

734. RICHARDSON, S. G.; MC KELL, C. M. WATER RELATIONS OF ATRIPLEX CANESCENS AS AFFECTED BY THE SALINITY AND MOISTURE PERCENTAGE OF PROCESSED OIL SHALE. *AGRON. J.* 72: 946-950. 1980. SALT BUSH, FOUR-WING CHENOPODIACEAE: ATRIPLEX CANESCENS GREENHOUSE, POT, OIL SHALE SODIUM, MAGNESIUM, SULFATE VEGETATIVE GROWTH, MINERAL COMPOSITION, WATER POTENTIAL, WATER VAPOR DIFFUSION
735. RIEKE, P. E.; DAVIS, J. F. BORAX TOXICITY IN WHITE PEA BEANS. *Q. BULL. MICH. AGRIC. EXP. ST.* 46: 401-406. 1964. BEAN LEGUMINOSAE: PHASEOLUS SOIL, FIELD BORON VEGETATIVE GROWTH, SEED YIELD
736. RIZK, T. Y.; AL-HASAN, A. M.; EL-TEKRITI, R. A.; ALAWI, B. J. EFFECT OF SALINITY ON GERMINATION AND SEEDLING VIGOR OF SOME ANNUAL MEDICS MEDICAGO SPP. *MESOPOTAMIA J. AGRIC.* 13: 105-121. 1978. MEDIC LEGUMINOSAE: MEDICAGO POLYMORPHA, MEDICAGO ROTATA, MEDICAGO ORBICULARIS, MEDICAGO SCUTELLATA GERMINATION DISHES SODIUM, CHLORIDE, CALCIUM GERMINATION, VEGETATIVE GROWTH, SEEDLING GROWTH
737. RIZK, T. Y.; ALI, H. A.; AL-HASAN, A. M. EFFECT OF VARYING CONCENTRATIONS OF CERTAIN SALTS ON GERMINATION AND SEEDLING VIGOR OF TWO RAPE (BRASSICA NAPUS) VARIETIES. *MESOPOTAMIA J. AGRIC.* 14: 25-40. 1979. RAPE CRUCIFERAE: BRASSICA NAPUS GERMINATION DISH SODIUM, CHLORIDE, CALCIUM, VARIETY GERMINATION, SEEDLING GROWTH, VEGETATIVE GROWTH
738. RIZVI, S. J. H.; JAISWAL, V.; MATHUR, S. N. NITRATE REDUCTASE AND PEROXIDASE ACTIVITIES IN LEAVES OF VIGNA MUNGO (L.). HEPPER AS AFFECTED BY SODIUM CHLORIDE. *NAT. ACAD. SCI. LETT., INDIA.* 2: 171-173. 1979. GRAM, BLACK LEGUMINOSAE: VIGNA MUNGO SAND SODIUM, CHLORIDE NITRATE UPTAKE, PEROXIDASE ACTIVITY, ENZYME
739. ROBINSON, F. E. IRRIGATION RATES CRITICAL IN IMPERIAL VALLEY ALFALFA. *CALIF. AGRIC.* 34: 18. 1980. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA FIELD SPRINKLER IRRIGATION, APPLICATION RATE LEAF BURN
740. ROBINSON, F. E. PREDICTED AND ACTUAL YIELD DECLINE FROM FIFTY PERCENT INCREASE IN SALINITY OF THE COLORADO RIVER. IN: MANAGING SALINE WATER FOR IRRIGATION, *PROC. INTER. SALINITY CONF. TEXAS TECH. UNIV., AUGUST 1976:* 170-174. ONION; WHEAT; BEAN; CABBAGE; CARROT; ALFALFA AMARYLLIDACEAE: ALLIUM CEPA; GRAMINEAE: TRITICUM AESTIVUM; LEGUMINOSAE: PHASEOLUS VULGARIS, MEDICAGO SATIVA; UMBELLIFERAE: DAUCUS CAROTA VAR SATIVA; CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA FIELD PLOT, SOIL SODIUM, BICARBONATE, CHLORIDE, MAGNESIUM, SULFATE, CALCIUM YIELD
741. ROCHA FILHO, J. V.; HAAG, H. P.; OLIVEIRA, G.; SARRUGE, J. R. INFLUENCIA DO BORON NO CRESCIMENTO E NA COMPOSICAO QUIMICA DE EUCALYPTUS GRANDIS. INFLUENCE OF BORON ON GROWTH AND CHEMICAL COMPOSITION OF EUCALYPTUS-GRANDIS. (POR; ENG SUM). *AN ESC. SUPER AGRIC. "LUIZ DE QUEIROZ" UNIV. SAO PAULO* 36: 139-151. 1979. EUCALYPTUS MYRTACEAE: EUCALYPTUS GRANDIS BORON
742. ROKBA, A. M.; ABDEL-MESSIN, M. N. BREEDING AND SCREENING SOME CITRUS ROOTSTOCKS FOR SALT TOLERANCE IN EGYPT. *EGYPTIAN J. HORTIC.* 6: 69-79. 1979. ORANGE, SOUR; ORANGE, MANDARIN; LEMON, ROUGH; ORANGE, POORMAN RUTACEAE: CITRUS AURANTIUM, CITRUS RETICULATA, CITRUS LIMON POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH
743. ROMNEY, E. M.; WALLACE, A. ECOTONAL DISTRIBUTION OF SALT-TOLERANT SHRUBS IN THE NORTHERN MOJAVE DESERT. *GREAT BASIN NAT. MEM.* 134-139. 1980. ECOLOGY

744. ROSS, H. A.; HEGARTY, T. W. ACTION OF GROWTH REGULATORS ON LUCERNE GERMINATION AND GROWTH UNDER WATER STRESS. NEW PHYTOL. 85; 495-501. 1980. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GERMINATION DISH POLYETHYLENE GLYCOL, SODIUM, CHLORIDE, KINETIN, ETHREL GERMINATION, ROOT GROWTH
745. ROTH, D.; WALL, G. ENVIRONMENTAL EFFECTS OF HIGHWAY DEICING SALTS. J. SOIL WATER CONSERV. 31: 71-73. 1976. CALCIUM, SODIUM, CHLORIDE, DEICING SALT
746. ROZEMA, J.; BUIZER, D. A. G.; FABRITIUS, H. E. POPULATION DYNAMICS OF GLAUX-MARITIMA AND ECOPHYSIOLOGICAL ADAPTATIONS TO SALINITY AND INUNDATION. OIKOS 30: 539-548. 1978. SEA-MILKWORT PRIMULACEAE: GLAUX MARITIMA FIELD PLOT, SAND, WATER CULTURE SEA WATER, SODIUM, CHLORIDE, MANNITOL, POTASSIUM PROLINE, MALATE DEHYDROGENASE, VEGETATIVE GROWTH, MINERAL COMPOSITION, NITRATE REDUCTASE, MALATE CITRATE
747. ROZEMA, J.; ROZEMA-DIJST, E.; FREIJSEN, A. H. J.; HUBER, J. J. L. POPULATION DIFFERENTIATION WITHIN FESTUCA RUBRA L. WITH REGARD TO SOIL SALINITY AND SOIL WATER. OECOLOGIA, 34: 329. 1978. FESCUE, RED GRAMINEAE: FESTUCA RUBRA GREENHOUSE, SAND CULTURE SODIUM, CHLORIDE VEGETATIVE GROWTH, PROLINE, CHLORIDE UPTAKE, SODIUM UPTAKE
748. RUDRAKSHA, G. B.; BHARAMBE, P. R.; VARADE, S. B. RECLAMATION OF ALKALI SOIL WITH RICE CULTURE IN ASSOCIATION WITH DIFFERENT AGRICULTURAL WASTES. J. MAHARASHTRA AGRIC. UNIV. 3: 160-161. 1978. RICE GRAMINEAE: ORYZA SATIVA FIELD ALKALINE SOIL STRAW YIELD, GRAIN YIELD
749. RUGE, U.; STACH, W. UBER DIE SCHADIGUNG VON STRABENBAUMEN DURCH AUFTSAUSALZE. DAMAGE ON ROADSIDE TREES CAUSED BY DEICING SALTS. (GER.) ANGEW. BOTANIK. 42: 69-77. 1968. LINDEN, EUROPEAN; PLANE TREE, LONDON; CHESTNUT, HORSE TILIACEAE: TILIA EUROPAEA; PLATANACEAE: PLATANUS ACERIFOLIA; HIPPOCASTANACEAE: AESCULUS HIPPOCASTANUM DEICING SALT CHLORIDE UPTAKE, SODIUM UPTAKE, MINERAL COMPOSITION
750. RUHAL, D. S.; DEO, R. NOTE ON THE EFFECT OF BORON IN IRRIGATION WATER ON SONORA 64 WHEAT (TRITICUM AESTIVUM L.). INDIAN J. AGRIC. SCI. 41: 577-578. 1971. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL BORON, SOIL TYPE VEGETATIVE GROWTH, NITROGEN UPTAKE, PHOSPHORUS UPTAKE, CALCIUM UPTAKE, BORON UPTAKE
751. RUSH, D. W.; EPSTEIN, E. BREEDING AND SELECTION OF SALT TOLERANCE BY THE INCORPORATION OF WILD GERMLASM INTO A DOMESTIC TOMATO. J. AM. SOC. HORTIC. SCI. 106: 699-704. 1981. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON CHEESMANII SAND, GREENHOUSE, PEAT MOSS, WATER CULTURE SEA WATER GERMINATION, SEEDLING GROWTH, FRUIT QUALITY
752. RUSH, D. W.; EPSTEIN, E. COMPARATIVE STUDIES ON THE SODIUM, POTASSIUM, AND CHLORIDE RELATIONS OF A WILD HALOPHYTIC AND A DOMESTIC SALT-SENSITIVE TOMATO SPECIES. PLANT PHYSIOL. 68: 1308-1313. 1981. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON CHEESMANII WATER CULTURE POTASSIUM, CHLORIDE ION TRANSLOCATION, POTASSIUM ABSORPTION
753. RUSH, D. W.; KELLEY, D. B.; RICHARDS, R.; NORLYN, J. D.; KINGSBURY, R. W.; CUNNINGHAM, G. A. SALT-TOLERANT CROPS SOLUTION TO A COMPLEX PROBLEM. CROPS SOILS 34: 12-16. 1981. BARLEY; WHEAT; TOMATO GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE, FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM, SALINE WATER, SALINE SOIL, SEA WATER VEGETATIVE GROWTH, GERMINATION, YIELD

754. SACHER, R. F.; STAPLES, R. C.; ROBINSON, R. W. SALINE TOLERANCE IN HYBRIDS OF LYCOPERSICON ESCULENTUM X SOLANUM PENELLII AND SELECTED BREEDING LINES. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.), PLENUM PUBL. CORP. 325-336. 1982. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, SOLANUM PENELLII SODIUM, CHLORIDE INHERITANCE, COLD HARDINESS, SODIUM UPTAKE, CHLORIDE UPTAKE, ION CONTENT, VEGETATIVE GROWTH
755. SAINI, H. S.; SRIVASTAVA, A. K. OSMOTIC STRESS AND THE NITROGEN METABOLISM OF 2 GROUNDNUT (ARACHIS HYPOGAEA L.) CULTIVARS. IRRIG. SCI. 2: 185-192. 1981. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA GERMINATION DISHS, POT POLYETHYLENE GLYCOL OSMOTIC POTENTIAL, TURGIDITY
756. SAINT-CLAIR, P. M. GERMINATION OF SORGHUM BICOLOR UNDER POLYETHYLENE GLYCOL-INDUCED STRESS. CAN. J. PLANT SCI. 56: 21-24. 1976. SORGHUM GRAMINEAE: SORGHUM BICOLOR GERMINATION DISH POLYETHYLENE GLYCOL GERMINATION
757. SAKAI, K.; RODRIGO, M. STUDIES ON A LABORATORY METHOD OF TESTING SALINITY RESISTANCE IN RICE VARIETIES. TROP. AGRIC. 116: 179-184. 1960. RICE GRAMINEAE: ORYZA SATIVA POT, WATER CULTURE SODIUM, CHLORIDE SALT TOLERANCE
758. SALAMA, F. M.; KHODARY, S. E. A.; HEIKAL, M. M. EFFECT OF SOIL SALINITY AND IAA ON GROWTH, PHOTOSYNTHETIC PIGMENTS, AND MINERAL COMPOSITION OF TOMATO AND ROCKET PLANTS. PHYTON 21: 177-188. 1981. TOMATO; ROCKET SOLANACEAE: LYCOPERSICON ESCULENTUM; CRUCIFERAE: ERUCA SATIVA SAND, POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, PHOTOSYNTHESIS, OSMOTIC POTENTIAL, TRANSPIRATION, MINERAL COMPOSITION, WATER CONTENT, PIGMENT
759. SALIM, M.; ASLAM, Z.; SANDHU, G. R.; QURESHI, R. H. SOIL SODICITY EFFECTS ON THE GROWTH AND CHEMICAL COMPOSITION OF SESBANIA ACULEATA. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 189-193. SESBANIA LEGUMINOSAE: SESBANIA ACULEATA SOIL, POT SODIUM, CHLORIDE YIELD, SODIUM UPTAKE, CALCIUM UPTAKE, CHLORIDE UPTAKE, GERMINATION, NODULATION, VEGETATIVE GROWTH
760. SALINAS, M. R.; CERDA, A.; ROMERO, M.; CARO, M. BORON TOLERANCE OF PEA (PISUM SATIVUM). J. PLANT NUTR. 4: 205-215. 1981. PEA LEGUMINOSAE: PISUM SATIVUM GREENHOUSE, SAND, POT BORON BORON TOXICITY, BORON UPTAKE, CALCIUM UPTAKE, YIELD, MINERAL COMPOSITION
761. SANCHEZ CONDE, M. P. INFLUENCIA DEL SULFATO MAGNESICO EN LA PRODUCCION Y CONTENIDO DE ELEMENTOS MINERALES DE PLANTAS DE TOMATE SOMETIDAS A DIFERENTES CONCENTRACIONES DE CLORURO SODICO MAS CLORURO CALICO. INFLUENCE OF MGSO4 ON THE PRODUCTION AND MINERAL ELEMENT CONTENT OF TOMATO PLANT CULTIVATED WITH DIFFERENT CONCENTRATIONS OF NACL + CACL2. (SPA; ENG SUM.). ANAL. EDAF. AGROB. 37: 277-294. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE FRUIT WEIGHT, VEGETATIVE GROWTH, INFLORESCENCE, MINERAL COMPOSITION
762. SANCHEZ CONDE, M. P.; AZUARA, P. EFECTO DE SOLUCIONES DE CONCENTRACIONES ISOOSMOTICAS DE NACL O PEG-4000 EN EL CONTENIDO MINERAL DE PLANTAS DE TOMATE (LYCOPERSICON ESCULENTUM). EFFECT OF OSOOSMOTIC SOLUTIONS OF NACL OR PEG-4000 ON MINERAL CONTENTS OF TOMATO PLANTS (LYCOPERSICON ESCULENTUM). (SPA; ENG SUM). AGROCHIMICA 23: 377-386. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL MINERAL COMPOSITION
763. SANCHEZ CONDE, M. P.; AZUARA, P. EVALUACION DE LOS EFECTOS DE DISOLUCIONES ISOTONICAS DE NACL O PEG-4000 EN PLATAS DE MAIZ (ZEA MAYS). EVALUATION OF THE EFFECTS OF ISO OSMOTIC SOLUTIONS OF SODIUM CHLORIDE OR POLYETHYLENE GLYCOL 4000

IN THE MAIZE PLANT ZEA-MAYS. (SPA; ENG SUM). AN. EDAFOL. AGROBIOL. 39: 1331-1342. 1980. CORN GRAMINEAE: ZEA MAYS WATER CULTURE SODIUM, CHLORIDE, POLYETHYLENE GLYCOL VEGETATIVE GROWTH, MINERAL COMPOSITION

764. SANCHEZ CONDE, M. P.; AZUARA, P. OSMOTIC AND SPECIFIC EFFECTS OF MAGNESIUM SULPHATE ON THE MINERAL CONTENT OF ZEA MAYS. PLANT SOIL 55: 121-131. 1980. CORN GRAMINEAE: ZEA MAYS WATER CULTURE, POT, GREENHOUSE MAGNESIUM, OSMOTIC PRESSURE, SULFATE WATER CONTENT, CATION EXCHANGE, MINERAL COMPOSITION
765. SANCHEZ-DIAZ, M.; APARICIO-TEJO, P.; GONZALEZ-MURUA, C.; PENA, J. I. THE EFFECT OF NaCl SALINITY AND WATER STRESS WITH POLYETHYLENE GLYCOL IN NITROGEN FIXATION, STOMATAL RESPONSE AND TRANSPIRATION OF MEDICAGO SATIVA, TRIFOLIUM REPENS AND TRIFOLIUM BRACHYCALYGINUM (SUBCLOVER). PHYSIOL. PLANT 54: 361-366. 1982. ALFALFA; CLOVER, WHITE; SUBCLOVER LEGUMINOSAE: MEDICAGO SATIVA, TRIFOLIUM REPENS, TRIFOLIUM BRACHYCALYGINUM POT, GREENHOUSE POLYETHYLENE GLYCOL, SODIUM, CHLORIDE TRANSPIRATION, NITROGEN FIXATION, LEAF WATER POTENTIAL, OSMOTIC POTENTIAL
766. SANDHU, G. R.; ASLAM, Z.; SALIM, M.; SATTAR, A.; QURESHI, R. H.; AHMAD, N.; WYN JONES, R. G. THE EFFECT OF SALINITY ON THE YIELD AND COMPOSITION OF DIPLACHNE FUSCA (KALLAR GRASS). PLANT, CELL ENVIRON. 4: 177-181. 1981. KALLAR GRASS GRAMINEAE: DIPLACHNE FUSCA POT, GRAVEL SODIUM, CHLORIDE, SULFATE, CALCIUM, MAGNESIUM YIELD, ASH, MINERAL COMPOSITION, GLYCINE, BETAINE, PROLINE, CHOLINE, PROTEIN, LIPID
767. SANDS, R.; CLARKE, A. R. P. RESPONSE OF RADIATA PINE TO SALT STRESS. I. WATER RELATIONS, OSMOTIC ADJUSTMENT AND SALT UPTAKE. AUST. J. PLANT PHYSIOL. 4: 637-646. 1977. PINE, MONTEREY PINACEAE: PINUS RADIATA WATER CULTURE CALCIUM, SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PROLINE, TRANSPIRATION, WATER POTENTIAL, MINERAL COMPOSITION
768. SANDU, G.; JACOB, E.; ISPAS, E.; DRACEA, M. SALINITY OF SALINE AND ALKALINE SOILS IN THE ROMANIAN PLAIN SPAIN AS INFLUENCED BY COMPLEX ESCALATION AND CULTIVATION WORKS. AN. EDAFOL AGROBIOL. 39: 155-168. 1980. FIELD, SOIL NITROGEN, LEACHING, SALINE SOIL, ALKALINE SOIL, RECLAMATION EXCHANGEABLE SODIUM PERCENTAGE
769. SANDU, S. S.; ABROL, I. P. GROWTH RESPONSES OF EUCALYPTUS TERETICORNIS AND ACACIA NILOTICA TO SELECTED CULTURAL TREATMENTS IN A HIGHLY SODIC SOIL. INDIAN J. AGR. SCI. 51: 437-443. 1981. FOREST RED GUM; GUM-ARABIC MYRTACEAE: EUCALYPTUS TERETICORNIS; LEGUMINOSAE: ACACIA NILOTICA FIELD PLOT, SAND, SOIL GYPSUM ROOT GROWTH
770. SANIJA REDDY M.; DAS, V. S. R. EFFECT OF SALINITY AND ALKALINITY ON CHLOROPLAST METABOLISM AND MINERAL CONSTITUENTS. INDIAN J. PLANT PHYSIOL. 21: 265-273. 1979. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SOIL, POT SODIUM, CHLORIDE, CARBONATE CHLOROPLAST, PHOTOPHOSPHORYLATION, PHOTOREDUCTION, STARCH, SUGAR, REDUCING SUGAR, PROTEIN, MINERAL COMPOSITION
771. SAPARGEL'DYEV, G.; TAILAKOV, N. SOME CHARACTERISTICS OF THE GERMINATION OF SEED OF SOME FIELD CROPS IN MINERALIZED WATERS SALT RESISTANCE (RUS; ENG SUM). IZV. AKAD. NAUK. TURKM. SSR. SER. BIOL. NAUK 3: 60-63. 1977. BARLEY; SUDAN GRASS; WHEAT; RYE; CORN; COTTON; ALFALFA GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, ZEA MAYS, SORGHUM SUDANENSE, SECALE CEREALE; LEGUMINOSAE: MEDICAGO SATIVA; MALVACEAE: GOSSYPIUM GERMINATION DISHES SALINE WATER GERMINATION
772. SARADADEVI, C.; RAJESWARA, RAO, G. NaCl SALINITY-INDUCED CHANGES IN STOMATAL CHARACTERISTICS OF SAFFLOWER. PROC. INDIAN ACAD. SCI. 87B: 141-148. 1978. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS POT, SOIL, GREENHOUSE SODIUM, CHLORIDE STOMATAL DENSITY

773. SARADADEVI, C.; RAO, G. G.; RAO, G. R. ¹⁴CO₂ INCORPORATION STUDIES UNDER SALT-STRESS IN SAFFLOWER (CARTHAMUS TINCTORIUS L.). J. NUCLEAR AGRIC. BIOL. 9: 129-132. 1980. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS POT, SOIL, GREENHOUSE SODIUM, CHLORIDE, RADIOACTIVE CARBON DIOXIDE VEGETATIVE GROWTH, CARBON DIOXIDE FIXATION
774. SARADADEVI, C.; RAO, G. R. INFLUENCE OF SALINITY ON STOMATAL BEHAVIOUR IN GROUNDNUT. INDIAN J. PLANT PHYSIOL. 23: 174-180. 1980. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA POT SODIUM, CHLORIDE STOMATAL FREQUENCY, STOMATAL TYPE, STOMATAL DISTRIBUTION
775. SARADADEVI, C.; RAO, G. R. NaCl SALINITY-INDUCED CHANGES IN STOMATAL CHARACTERISTICS OF SAFFLOWER. PROC. INDIAN ACAD. SCI. 87: 141-148. 1978. SAFFLOWER COMPOSITAE: CARTHAMUS TINCTORIUS POT, SOIL, GREENHOUSE SODIUM, CHLORIDE STOMATAL FREQUENCY, STOMATAL CHARACTERISTIC
776. SAXENA, H. K.; PANDEY, U. K. PHYSIOLOGICAL STUDIES ON SALT TOLRANCE OF TEN RICE VARIETIES. 1. GROWTH AND YIELD ASPECTS. INDIAN J. PLANT PHYSIOL. 24: 61-68. 1981. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SODIUM, CHLORIDE, CALCIUM YIELD, VEGETATIVE GROWTH, HEIGHT, TILLERING, CROP QUALITY, SEED WEIGHT
777. SAXENA, M. B. L.; KOLARKAR, A. S. EFFECT OF SALINITY ON THE GERMINATION AND GROWTH OF RADICLE AND PLUMULE OF BAJRA (Pennisetum typhoides) VARIETIES. ANN. ARID ZONE 20: 203-207. 1981. MILLET, PEARL GRAMINEAE: PENNISETUM TYPHOIDES GERMINATION DISHES SODIUM, CHLORIDE GERMINATION, EMERGENCE, SEEDLING GROWTH, PLUMULE GROWTH, VEGETATIVE GROWTH
778. SCHARPF, R. F.; SRAGO, M. CONIFER DAMAGE AND DEATH ASSOCIATED WITH THE USE OF HIGHWAY DEICING SALT IN THE LAKE TAHOE BASIN OF CALIFORNIA AND NEVADA. USDA FOR. SER. FOR. PEST CONTROL-TECH. RPT 1: 1:6 PP. 1974. PINE, JEFFREY; FIR, WHITE; CEDAR, INCENSE; PINE, PONDEROSA; PINE, SUGAR; PINE, LODGEPOLE PINACEAE: PINUS JEFFREYI, PINUS LAMBERTIANA, PINUS PONDEROSA, ABIES CONCOLOR, PINUS CONTORTA VAR LATIFOLIA; CUPRESSACEAE: CALOCEDRUS DECURRENS FIELD, GREENHOUSE, SOIL DEICING SALT, SODIUM, CHLORIDE VISUAL SYMPTOMS, SODIUM UPTAKE, CHLORIDE UPTAKE
779. SCHIECHTL, H. M. NEUE ERGEBNISSE ZUR FRAGE DER RESISTENZ VON GEHOLZPFLANZEN GEGEN AUFTAUSSALZE. NEW CONCLUSIONS TO THE QUESTION OF RESISTANCE OF WOOD PLANTS TO THAWING SALTS. (GER; ENG) GART LANDSCHAFT 88: 240-246. 1978. SNOWBERRY; HONEYSUCKLE, FLY; OLEASTER; MATRIMONY VINE; GOOSEBERRY, ENGLISH; ASH, EUROPEAN; ROSE; MAPLE, HEDGE; SALLOW THORN; PRIVET; MAPLE, NORWAY; WAYFARING TREE; HAWTHORN, ENGLISH; ADLER, WHITE CAPRIFOLIACEAE: SYMPHORICARPOS ALBUS VAR LAEVIGATUS, LONICERA XYLOSTEUM, VIBURNUM LANTANA; ELAEAGNACEAE: ELAEAGNUS ANGUSTIFOLIA, HIPPOPHAE RHAMNOIDES; SOLANACEAE: LYCIUM HAMILIFOLIUM; SAXIFRAGACEAE: RIBES UVA-CRISPA; OLEACEAE: FRAXINUS EXCELSIOR, LIGUSTRUM VULGARE; ROSACEAE: ROSA RUGOSA, CRATAEGUS MONOGYNA; ACERACEAE: ACER CAMPESTRE, ACER PLATANOIDES; BETULACEAE: ALNUS INCANA FIELD, SOIL SODIUM, CHLORIDE, DEICING SALT, SALT SPRAY
780. SCHLEIFF, U. CHLORIDE CONTENT OF ONION ROOTS AND THEIR ADHERING SOIL UNDER IRRIGATION WITH SALINE DRAINAGE WATER. Z. PFLANZ. BODENK. 143: 638-644. 1980. ONION AMARYLLIDACEAE: ALLIUM CEPA FIELD PLOT, SOIL SALINE WATER CHLORIDE UPTAKE
781. SCHLEIFF, U. MAXIMALE SALZKONZENTRATIONEN IN DER RHIZOSPHEREN BODENLOSUNG JUNGER ZUCKERRUBEN. MAXIMUM SALT CONCENTRATIONS IN THE RHIZOSPHERIC SOIL SOLUTION OF YOUNG SUGAR BEETS. (GER; ENG SUM). PLANT SOIL 64: 307-314. 1982. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS POT, SOIL, SAND SODIUM, CHLORIDE WATER POTENTIAL

782. SCHNURBEIN, C. VON UBER DEN ANTEIL VON NITRAT UND CHLORID AN DER ZUSAMMENSETZUNG DES ZELLSAFTES VON BLUTENPFLANZEN. PORTION OF NITRATE AND CHLORIDE IN CELL SAP OF HIGHER PLANTS. (GER.). FLORA A. 158: 577-593. 1967. SOIL NITRATE UPTAKE, CALCIUM UPTAKE, SULFATE UPTAKE, OSMOTIC PRESSURE
783. SCHWARTZ, P. A.; SAFAYA, N. M. SOME NUTRIENT DEFICIENCY AND TOXICITY SYMPTOMS IN SLENDER WHEATGRASS. PROC. N. D. ACAD. SCI. 31: 50-57. 1978. WHEATGRASS, SLENDER GRAMINEAE: AGROPYRON TRACHYCAULUM POT, WATER CULTURE BORON, COPPER, ZINC, MOLYBDENUM BORON TOXICITY, ROOT GROWTH, VEGETATIVE GROWTH, MINERAL COMPOSITION
784. SCOFIELD, C. S. THE EFFECT OF ABSORPTION BY PLANTS ON THE CONCENTRATION OF THE SOIL SOLUTION. J. AGRIC. RESEARCH 35: 745-756. 1927. BARLEY; WHEAT GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM WATER CULTURE, GREENHOUSE SALINE WATER TRANSPIRATION, MINERAL COMPOSITION
785. SCOFIELD, C. S. THE SALT WATER LIMITS OF WILD RICE. BUREAU OF PLANT INDUSTRY. BULL. 72 (PART 2): 3-8. 1905. RICE, WILD GRAMINEAE: ZIZANIA AQUATICA FIELD, SOIL BRACKISH WATER ECOLOGY
786. SEMUSHINA, L. A. SALT RESISTANCE OF WILD GROWING DESERT FODDER PLANTS KAZAKH-SSR USSR. (RUS). PROBL. OSVO. PUSTYN'. O. 73-75. 1980. KOCHIA; SAKSAUL CHENOPODIACEAE: HALOXYLON AMMODENDRON, KOCHIA PROSTRATA, SALSOLA ORIENTALIS, CAMPHOROSMA LESSINGI GERMINATION DISHES SODIUM, CHLORIDE GERMINATION, SALT TOLERANCE
787. SEPASKHAH, A. R.; BOERSMA, L. ELONGATION OF WHEAT LEAVES EXPOSED TO SEVERAL LEVELS OF MATRIC POTENTIAL AND NACL-INDUCED OSMOTIC POTENTIAL OF SOIL WATER. AGRON. J. 71: 848-852. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM GROWTH CHAMBER, POT, SOIL SODIUM, CHLORIDE, POLYETHYLENE GLYCOL LEAF ELONGATION, TURGOR
788. SEPASKHAH, A. R.; BOERSMA, L. SHOOT AND ROOT GROWTH OF WHEAT SEEDLINGS EXPOSED TO SEVERAL LEVELS OF MATRIC POTENTIAL AND NACL-INDUCED OSMOTIC POTENTIAL OF SOIL WATER. AGRON. J. 71: 746-752. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, POT, GROWTH CHAMBER POLYETHYLENE GLYCOL, SODIUM, CHLORIDE SHOOT GROWTH, ROOT GROWTH, LEAF WATER POTENTIAL
789. SEPASKHAH, A. R.; MAFTOUN, M. GROWTH AND CHEMICAL COMPOSITION OF PISTACHIO CULTIVARS AS INFLUENCED BY IRRIGATION REGIMES AND SALINITY LEVELS OF IRRIGATION WATER. I. GROWTH. J. HORTIC. SCI. 56: 277-284. 1981. PISTACHIO ANACARDIACEAE: PISTACIA VERA GREENHOUSE, POT, SOIL SODIUM, CHLORIDE VEGETATIVE GROWTH, ROOT GROWTH, HEIGHT, LEAF AREA, EVAPOTRANSPIRATION
790. SHAFI, M.; MAJID, A.; AHMAD, M. SOME PRELIMINARY STUDIES ON SALT TOLERANCE OF RICE VARIETIES. WEST PAK. J. AGRIC. RES. 8: 117-123. 1970. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL, FIELD PLOT VARIETY, SODIUM, CHLORIDE, SULFATE GERMINATION, HEIGHT, YIELD
791. SHAKOOR, A.; AKBAR, M.; SAJJAD, M. S.; ALI, Y. GENETIC VARIABILITY FOR SALT TOLERANCE IN BREAD WHEAT. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 244-250. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL, FIELD PLOT WELL WATER, SODIUM, CALCIUM YIELD, TILLERING, HEIGHT, SEED WEIGHT, SEED YIELD
792. SHANNON, M. C. CROP BREEDING EFFORTS TOWARD IMPROVED SALT TOLERANCE. PROC. INTER-AMERICAN CONF. SALINITY AND WATER

MANAGEMENT TECH., EL PASO, TEXAS: 53-63. DEC. 1979.

793. SHANNON, M. C. DIFFERENCES IN SALT TOLERANCE WITHIN 'EMPIRE' LETTUCE. J. AM. SOC. HORTIC. SCI. 105: 944-947. 1980. LETTUCE COMPOSITAE: LACTUCA SATIVA GREENHOUSE, FIELD PLOT, SOIL SODIUM, SULFATE, CHLORIDE, CALCIUM, MAGNESIUM, NITRITE VEGETATIVE GROWTH
794. SHANNON, M. C. GENETICS OF SALT TOLERANCE: NEW CHALLENGES. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBLISHING CORP. 271-282. 1982. SELECTIVE BREEDING, GENETIC INTERACTION
795. SHANNON, M. C. IN QUEST OF RAPID SCREENING TECHNIQUES FOR PLANT SALT TOLERANCE. HORTSCIENCE 14: 587-589. 1979.
796. SHANNON, M. C. TESTING SALT TOLERANCE VARIABILITY AMONG TALL WHEATGRASS LINES. AGRON. J. 70:719-722. 1978. WHEATGRASS, TALL GRAMINEAE: AGROPYRON ELONGATUM GREENHOUSE, SAND SODIUM, CALCIUM, CHLORIDE MINERAL COMPOSITION, PROLINE
797. SHANNON, M. C.; AKBAR, M. BREEDING PLANTS FOR SALT TOLERANCE. PROC. SEMINAR MEMBRANE BIOPHYSICS AND DEVELOPMENT SALT TOLERANCE IN PLANTS (FAISALABAD, PAKISTAN) MARCH 11-21, 1978: 222-243. SELECTIVE BREEDING
798. SHANNON, M. C.; FRANCOIS, L. E. SALT TOLERANCE OF THREE MUSKMELON CULTIVARS. J. AM. SOC. HORTIC. SCI. 103: 127-130. 1978. MUSKMELON CUCURBITACEAE: CUCUMIS MELO FIELD PLOT, SOIL VARIETY, SODIUM, CALCIUM, CHLORIDE FRUIT YIELD, MINERAL COMPOSITION, SUGAR
799. SHANNON, M. C.; WHEELER, E. L.; SAUNDERS, R. M. SALT TOLERANCE OF AUSTRALIAN CHANNEL MILLET. AGRON. J. 73: 830-832. 1981. MILLET, AUSTRALIAN CHANNEL GRAMINEAE: ECHINOCHLOA TURNERANA POT, SOIL, GREENHOUSE SODIUM, CHLORIDE FLOWERING, SEED WEIGHT, HEIGHT
800. SHARMA, C. M.; BAJWA, M. S.; TRIPATHI, B. R. EFFECT OF GYPSUM AND FARMYARD MANURE ON PLANT YIELD AND PHOSPHORUS AVAILABILITY IN CALCAREOUS ALKALI SOIL. FERT. NEWS 24: 45-46. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL SULFATE, CALCIUM, GYPSUM, PHOSPHORUS VEGETATIVE GROWTH, MINERAL COMPOSITION, PHOSPHORUS UPTAKE
801. SHARMA, D. A. EFFECT OF USING SALINE WATER TO SUPPLEMENT CANAL WATER IRRIGATION ON THE CROP GROWTH OF RICE. CURR. AGRIC. 4: 79-82. 1980. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM YIELD, HEIGHT, TILLERING, SEED WEIGHT
802. SHARMA, D. C.; PUNTAMKAR, S. S.; JAIN, S. V.; SETH, S. P. EFFECT OF DIFFERENT FREQUENCIES OF IRRIGATION WITH SALINE WATER ON THE YIELD OF WHEAT AND SALT ACCUMULATION IN SALINE SODIC SOIL. INDIAN J. AGRIC. SCI. 47: 485-488. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD SALINE SOIL, SALINE WATER, IRRIGATION METHOD GRAIN YIELD
803. SHARMA, D. C.; PUNTAMKAR, S. S.; JAIN, S. V.; SETH, S. P. EFFECT OF DIFFERENT FREQUENCIES OF IRRIGATION WITH SALINE WATER ON THE YIELD OF WHEAT AND SALT ACCUMULATION IN SALINE SODIC SOIL. INDIAN J. AGRIC. SCI. 47: 485-488. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM SOIL IRRIGATION FREQUENCY, SALINE WATER GRAIN YIELD

804. SHARMA, M. L. INTERACTION OF WATER POTENTIAL AND TEMPERATURE EFFECTS ON GERMINATION OF THREE SEMI-ARID PLANT SPECIES. AGRON. J. 68: 390-394. 1976. GRAMINEAE: DANTHONIA CAESPITOSA; CHENOPODIACEAE: ATRIPLEX NUMMULARIA, ATRIPLEX VESICARIA GERMINATION DISHES POLYETHYLENE GLYCOL, SODIUM, CHLORIDE, TEMPERATURE GERMINATION
805. SHARMA, S. C.; RAY, N.; SINHA, S. B. STUDIES ON THE PERFORMANCE OF FOUR RABI CROPS UNDER DIFFERENT SOIL SALINITY LEVELS. JNKVV RES. J. 11: 75-81. 1977. WHEAT; BARLEY; OATS GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE, AVENA SATIVA POT, SOIL SODIUM, CHLORIDE, CALCIUM GERMINATION, GROWTH RATE, SEED YIELD, ROOT GROWTH RATE, SHOOT GROWTH RATE, MINERAL COMPOSITION
806. SHARSTSIANIKINA, A. V.; KUKHARAVA, L. V.; ZARANCHUK, L. G. RESPONSE OF SOME SPECIES OF HERBACEOUS PLANTS TO CHLORIDE SALINIZATION. (RUS; ENG SUM). VEST. AKAD. NAVUK, BSSR. 4: 68-72. 1980. ORACH; KOCHIA; SPINACH CHENOPODIACEAE: ATRIPLEX HORTENSIS, ATRIPLEX CANA, KOCHIA PROSTRATA, SPINACIA OLERACEA, EUROTIA CERATOIDES, CLIMACOPHERA ROSEA SODIUM, CHLORIDE GERMINATION, CHLORIDE TOXICITY, SEEDLING GROWTH
807. SHAYBANY, B.; KASHIRAD, A. EFFECT OF NaCl ON GROWTH AND MINERAL COMPOSITION OF ACACIA SALIGNA IN SAND CULTURE J. AMER. SOC. HORT. SCI. 103:823-826. 1978 WEEPING WATTLE LEGUMINOSAE: ACACIA SALIGNA SAND, GREENHOUSE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, RESPIRATION, PHOTOSYNTHESIS, ROOT GROWTH, LEAF CHLOROPHYLL, MINERAL COMPOSITION
808. SHENGE, P. Y.; CHAVAN, V. M.; DESHPANDE, J. D. BREEDING OF SALINE RESISTANT VARIETIES IN BOMBAY STATE. RICE NEWS TELLER 7: 18-19. 1959. RICE GRAMINEAE: ORYZA SATIVA FIELD, SOIL SALINE SOIL, VARIETY YIELD, FLOWERING, VEGETATIVE GROWTH, GRAIN WEIGHT
809. SHEORAN, I. S. CHANGES IN AMYLASE DURING GERMINATION AND EARLY SEEDLING GROWTH OF MUNG BEAN VIGNA-RADIATA (L.) WILCZEK UNDER DIFFERENT SALTS. INDIAN J. PLANT PHYSIOL. 23: 169-173. 1980. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISH, SAND, POT SODIUM, CHLORIDE, POTASSIUM, SULFATE AMYLASE, COTYLEDON GROWTH, EMBRYO AXIS, ROOT GROWTH, LEAF SIZE
810. SHEORAN, I. S.; GARG, O. P. CHANGES IN ISOENZYMES OF SOLUBLE MALATE DEHYDROGENASE DURING GERMINATION OF MUNG BEAN (PHASEOLUS AUREUS ROXB) UNDER SALT STRESS. BIOL. PLANT. 22: 384-387. 1980. BEAN, MUNG LEGUMINOSAE: PHASEOLUS AUREUS, VIGNA RADIATA SAND, GERMINATION DISH SODIUM, CHLORIDE ISOENZYME, ENZYME, OSMOTIC POTENTIAL, ION CONTENT
811. SHEORAN, I. S.; GARG, O. P. EFFECT OF CHLORIDE AND SULPHATE SALINITY ON GERMINATION AND EARLY SEEDLING GROWTH OF MOONG. ACTA BOT. IND. 6: 84-89. 1978. BEAN, MUNG LEGUMINOSAE: PHASEOLUS AUREUS GERMINATION DISH, SAND, POTS SODIUM, CHLORIDE, SULFATE GERMINATION, VEGETATIVE GROWTH
812. SHEORAN, I. S.; GARG, O. P. EFFECT OF SALINITY ON THE ACTIVITIES OF RNASE, DNASE AND PROTEASE DURING GERMINATION AND EARLY SEEDLING GROWTH OF MUNG BEAN. PHYSIOL. PLANT. 44: 171-174. 1978. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES, SAND, POT SODIUM, CHLORIDE, POTASSIUM, NITRATE, SULFATE RIBONUCLEASE, DEOXYRIBONUCLEASE, PROTEASE
813. SHEORAN, I. S.; GARG, O. P. QUANTITATIVE AND QUALITATIVE CHANGES IN PEROXIDASE DURING GERMINATION OF MUNG BEAN UNDER SALT STRESS. PHYSIOL. PLANT. 46: 147-150. 1979. BEAN, MUNG LEGUMINOSAE: VIGNA RADIATA GERMINATION DISHES,

SAND SODIUM, CHLORIDE, POTASSIUM, SULFATE PEROXIDASE

814. SHEVYAKOVA, N. I. SYNTHESIS OF TAURINE IN COTTON IN THE PRESENCE OF HIGH CONCENTRATIONS OF Na_2SO_4 IN THE MEDIUM SOV. PLANT PHYSIOL. 25: 20-26. 1978. COTTON MALVACEAE: GOSSYPIUM HIRSUTUM GREENHOUSE SODIUM, CHLORIDE, SULFATE TAURINE, 2-AMINOETHANESULFONIC ACID
815. SHEVYAKOVA, N. I.; LEONOVA, T. G. THE PHASIC PATTERN OF RESPONSES AS AN ELEMENT OF THE MECHANISM OF SALT TOLERANCE IN PLANTS. (RUS; ENG SUM). ZH. OBSHCH. BIOL. 39: 97-110. 1978. PEA; COTTON; BEAN, BROAD LEGUMINOSAE: VICIA FABA, PISUM SATIVUM; MALVACEAE: GOSSYPIUM HIRSUTUM WATER CULTURE SODIUM, CHLORIDE, SULFATE PROTEIN, AMINO ACID, LEUCINE, METHIONINE
816. SHIMOSE, N. DISTRIBUTION OF P^{32} IN RICE PLANTS GROWN IN THE CHLORIDE EXCESS SOLUTION. (JAP; ENG SUM). OKAYAMA U. FACUL. AGRIC. SCI. RPT. 10: 25-28. 1957. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE PHOSPHORUS, CHLORIDE, SODIUM PHOSPHORUS UPTAKE, CHLORIDE UPTAKE
817. SHMARAEV, G. E. STUDY OF MAIZE VARIETAL DIVERSITY FOR RESISTANCE TO SALINIZATION. (RUS). BIULL. VSES. INST. RASTENIEVOD. 53: 3-6. 1975. CORN GRAMINEAE: ZEA MAYS VARIETY
818. SHOMER-ILAN, A.; SAMISH, Y. B.; KIPNIS, T.; ELMER, D.; WASEL, Y. EFFECTS OF SALINITY, N- NUTRITION AND HUMIDITY ON PHOTOSYNTHESIS AND PROTEIN METABOLISM OF CHLORIS GAYANA KUNTH. PLANT SOIL 53: 477-486. 1979. RHODES GRASS GRAMINEAE: CHLORIS GAYANA WATER CULTURE SODIUM, CHLORIDE, NITROGEN, RELATIVE HUMIDITY CARBON DIOXIDE EXCHANGE, TRANSPIRATION, PHOTOSYNTHESIS, PHOSPHOENOL PYRUVATE, CARBOXYLASE, RIBULOSEBIPHOSPHATE CARBOXYLASE, NITRATE REDUCTASE, LEUCINE
819. SIEGEL, S. M.; CHEN, J.; KOTTENMEIER, W.; CLARK, K.; SIEGEL, B. Z.; CHANG, H. REDUCTION IN PEROXIDASE IN CUCUMIS, BRASSICA AND OTHER SEEDLINGS CULTURED IN SALINE WATERS. PHYTOCHEMISTRY 21: 539-542. 1982. CORN; CABBAGE, CHINESE; CUCUMBER; PAPAYA GRAMINEAE: ZEA MAYS; CRUCIFERAE: BRASSICA PEKINENSIS; CUCURBITACEAE: CUCUMIS SATIVUS; CARICACEAE: CARICA PAPAYA GREENHOUSE, FIELD, GROWTH CHAMBER SEA WATER PEROXIDASE ACTIVITY, PROTEIN
820. SIEGEL, S. M.; SIEGEL, B. Z. GROWTH AND COMPOSITION OF RYE SEEDLINGS CULTURED IN SEA WATER. PHYSIOL. PLANT. 44: 145-146. 1978. RYE GRAMINEAE: SECALE CEREALE WATER CULTURE SEA WATER GERMINATION, VEGETATIVE GROWTH, SHOOT GROWTH, ROOT GROWTH, MINERAL COMPOSITION
821. SIEGEL, S. M.; SIEGEL, B. Z.; MASSEY, J.; LAHNE, P.; CHEN, J. GROWTH OF CORN IN SALINE WATERS. PHYSIOL. PLANT. 50: 71-73. 1980. CORN GRAMINEAE: ZEA MAYS FIELD PLOT, SOIL VARIETY GERMINATION, SEEDLING GROWTH, VEGETATIVE GROWTH, MINERAL COMPOSITION, ASH
822. SIMON, C. EINE HALOPHYLENFLORA AM OBERRHEIN. 2. MITTEILUNG. A HALOPHYTE FLORA ON THE UPPER RHINE. PART 2. (GER). BAUHINIA 6: 85-87. 1977. GRASS CHENOPODIACEAE: CHENOPODIUM RUBRUM, ATRIPLEX HASTATA; CARYOPHYLLACEAE: SPERGULARIA MEDIA; COMPOSITAE: INULA GRAVEOLENS FIELD PLOT, SOIL, SAND SODIUM, CHLORIDE, LEACHING VEGETATIVE GROWTH, SALT TOLERANCE, EMERGENCE
823. SIMON, C. EINE HALOPHYLENFLORA AM OBERRHEIN. 3. MITTEILUNG. A HALOPHYTE FLORA ON THE UPPER RHINE. PART 3. (GER).

- BAUHINIA 6: 89-92. 1977. GRASS CHENOPODIACEAE: CHENOPODIUM RUBRUM, CHENOPODIUM CHENOPODIODES, ATRIPLEX HASTATA
VAR SALINA; CARYOPHYLLACEAE: SPERGULARIA MEDIA FIELD PLOTS LEACHING SALT TOLERANCE, VEGETATIVE GROWTH,
EMERGENCE
824. SINEL'NIKOVA, V. N. EVALUATION OF SALT RESISTANCE OF VEGETABLE CROPS. (RUS). DOKL. T. S. KH. A. TIMIRIAZEVSK. S-KH.
AKAD. 251: 95-98. 1979. WHEAT; CABBAGE; WATERMELON; TOMATO GRAMINEAE: TRITICUM AESTIVUM; SOLANACEAE:
LYCOPERSICON ESCULENTUM; CUCURBITACEAE: CITRULLUS VULGARIS; CRUCIFERAE: BRASSICA OLERACEA VAR CAPITATA
GERMINATION DISHES, SAND SALINE WATER GERMINATION
825. SINGH, A.; CHHABRA, R.; ABROL, I. P. EFFECT OF FLUORINE AND PHOSPHORUS ON THE YIELD AND CHEMICAL COMPOSITION OF RICE
(ORYZA SATIVA) GROWN IN SOILS OF TWO SODICITIES. SOIL SCI. 127: 86-93. 1979. RICE GRAMINEAE: ORYZA SATIVA
POT, SOIL FLOURINE, PHOSPHORUS STRAW YIELD, GRAIN YIELD, MINERAL COMPOSITION
826. SINGH, B.; NARAIN, P. EFFECT OF THE SALINITY OF IRRIGATION WATER ON WHEAT YIELD AND SOIL PROPERTIES. INDIAN J.
AGRIC. SCI. 50: 422-427. 1980. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, CHLORIDE,
CALCIUM, SULFATE, BICARBONATE GRAIN YIELD, VEGETATIVE GROWTH
827. SINGH, D. V.; PAL, B.; SHARMA, V. D. EFFECT OF IRRIGATION WITH SALINE WATER ON THE GROWTH AND YIELD OF WHEAT GROWN AT
AGRA. INDIAN J. AGRIC. SCI. 49: 550-554. 1979. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL
SODIUM, MAGNESIUM, CALCIUM, CHLORIDE, BICARBONATE, SULFATE GRAIN YIELD, GERMINATION, TILLERING, HEIGHT
828. SINGH, D. V.; SINGH, S. P.; PAL, B. REDUCING THE ADVERSE EFFECT OF SODIC WATER ON WHEAT CROP. INDIAN FARMING 30: 11.
1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOTS, SOIL CALCIUM, SODIUM, CHLORIDE, GYPSUM YIELD
829. SINGH, G. SAXENA, G. S. COMPARATIVE STUDY ON THE EFFECT OF QUALITY OF IRRIGATION WATER ON THE YIELD OF BARLEY, WHEAT
AND PEA GROWN IN SOILS OF DIFFERENT TEXTURE. INDIAN J. AGRIC. RES. 13: 199-202. 1979. BARLEY; WHEAT; PEA
GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; LEGUMINOSAE: PISUM SATIVUM POT, SAND, SOIL SOIL TEXTURE, SODIUM
ADSORPTION RATIO GRAIN YIELD, YIELD
830. SINGH, G.; SAXENA, G. S. COMPARATIVE STUDY ON THE EFFECT OF SALINITY AND ALKALINITY OF IRRIGATION WATERS ON
GERMINATION AND SEEDLING GROWTH OF BARLEY, WHEAT AND PEAS. RAJ. AGRIC. 13: 11-16. 1976. BARLEY; WHEAT; PEA
GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM; LEGUMINOSAE: PISUM SATIVUM GERMINATION DISHES SODIUM, CHLORIDE,
CALCIUM GERMINATION, SEEDLING GROWTH, PLUMULE GROWTH
831. SINGH, G.; SINGH, H. EFFECT OF GROWTH-REGULATORS ON THE GROWTH PARAMETERS OF CHICKPEA GROWN UNDER DIFFERENT SALINITY
LEVELS. INDIAN J. AGRIC. SCI. 50: 23-30. 1980. PEA, CHICK LEGUMINOSAE: CICER ARIETINUM POT, SOIL SODIUM,
CHLORIDE, SULFATE, CALCIUM, KINETIN, ASCORBIC ACID, GIBBERELLIC ACID HEIGHT, VEGETATIVE GROWTH
832. SINGH, S. B.; CHHABRA, R.; ABROL, I. P. EFFECT OF EXCHANGEABLE SODIUM ON THE YIELD AND CHEMICAL COMPOSITION OF RAYA
(BRASSICA JUNCEA L.). AGRON. J. 71: 767-770. 1979. MUSTARD, BROWN CRUCIFERAE: BRASSICA JUNCEA FIELD, SOIL
GYPSUM, CALCIUM, SULFATE, SALINE SOIL OIL YIELD, GRAIN YIELD, VEGETATIVE GROWTH, MINERAL COMPOSITION
833. SINGH, S. S.; DEOSHARAN, S. R. VARIETAL REACTION OF RICE TO AGE OF SEEDLINGS TRANSPLANTED IN ALKALI SOIL. INT. RICE

- RES. NEWSL. 5: 18-19. 1980. RICE GRAMINEAE: ORYZA SATIVA SOIL SALINE SOIL TRANSPLANTING, MATURATION
834. SINGH, S. S.; MALIK, Y. S.; PANDITA, M. L. RESPONSE OF SEM (DOLICHOS LABLAB) CULTIVARS TO SEVERAL LEVELS OF SALINITY. LEGUME RES. 3: 27-32. 1980. BEAN, HYACINTH LEGUMINOSAE: DOLICHOS LABLAB POT, SOIL SODIUM, CHLORIDE, CALCIUM GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION, HEIGHT, POD YIELD
835. SINGH, T. N.; CHANDRA, S. SALT TOLERANCE OF SOME HYBRIDS OF PENNISETUM TYPHOIDES. INDIAN J. PLANT PHYSIOL. 22: 181-185. 1979. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM POT, GREENHOUSE, SOIL SODIUM, CHLORIDE, CALCIUM GERMINATION, GRAIN WEIGHT, GRAIN YIELD
836. SINGH, U. B.; PALIWAL, S. K. RESPONSE OF BARLEY TO IRRIGATION AND FERTILITY LEVELS UNDER SALINE CONDITIONS. INDIAN J. AGRON. 22:231-234. 1977. BARLEY GRAMINEAE: HORDEUM VULGARE FIELD PLOT GROWTH STAGE, FERTILIZER, SALINE WATER GRAIN YIELD
837. SINHA, T. S.; BHATTACHARYYA, R. K. NOTE ON GENETIC VARIABILITY IN SUNDARBAN RICE VARIETIES UNDER SALINE SOIL. INDIAN J. AGR. SCI. 9: 719-721. 1980. RICE GRAMINEAE: ORYZA SATIVA FIELD PLOT, SOIL VARIETY, SALINE SOIL GENETIC VARIABILITY
838. SLAMA, F.; BOUAZIZ, E. ABSORPTION ET DISTRIBUTION INTERNE DU SODIUM CHEZ LA SOJA CULTIVE EN MILIEUSALE. EFFECT SUR LA PRODUCTION. ABSORPTION AND INTERNAL DISTRIBUTION OF SODIUM IN SOYBEANS CULTIVATED IN SALT MEDIUM - EFFECT ON PRODUCTION (FRE; ENG SUM). AGROCHIMICA 22: 128-133. 1978. SOYBEAN LEGUMINOSAE: GLYCINE MAX SOIL SODIUM, CHLORIDE, VARIETY GRAIN YIELD, OIL YIELD, SEED WEIGHT
839. SLAMA, F.; BOUZAIDI, A. EFFET DE LA SLAURE SUR LA CROISSANCE ET LA PRODUCTION DE QUATRE VARIETES DE TOURNESOL (HELIANTHUS ANNUUS G.) SALINITY EFFECT ON GROWTH AND PRODUCTION OF FOUR SUNFLOWER (HELIANTHUS ANNUUS G.) VARIETIES. (FRE; ENG SUM). INFORMATION TECHNIQUES 60: 3-10. 1978. SUNFLOWER COMPOSITAE: HELIANTHUS ANNUUS FIELD PLOT, SOIL SALINE WATER GRAIN WEIGHT, GRAIN YIELD, HEAD SIZE
840. SMART, K. M.; BARKO, J. W. NITROGEN NUTRITION AND SALINITY TOLERANCE OF DISTICHLIS SPICATA AND SPARTINA ALTERNIFLORA. ECOLOGY 61: 630-638. 1980. SALTGRASS, SEASHORE; CORDGRASS, SMOOTH GRAMINEAE: DISTICHLIS SPICATA, SPARTINA ALTERNIFLORA GREENHOUSE, SAND NITROGEN VEGETATIVE GROWTH, ROOT GROWTH, MINERAL COMPOSITION
841. SMITH, D.; DOBRENZ, A. K.; SCHONHORST, M. H. RESPONSE TO ALFALFA SEEDLING PLANTS TO HIGH LEVELS OF CHLORIDE-SALTS. J. PLANT NUTR. 4: 143-174. 1981. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GREENHOUSE, SAND TANK, POT CHLORIDE, SODIUM VEGETATIVE GROWTH, HEIGHT
842. SMITH, G. S.; MIDDLETON, K. R.; EDMONDS, A. S. SODIUM NUTRITION OF PASTURE PLANTS. II. EFFECT OF SODIUM CHLORIDE ON GROWTH, CHEMICAL COMPOSITION AND THE REDUCTION OF NITRATE NITROGEN. NEW PHYTOL. 84: 613-622. 1980. RYEGRASS, PERENNIAL; TIMOTHY GRAMINEAE: LOLIUM PERENNE, PHLEUM PRATENSE POT, SAND, GREENHOUSE SODIUM, CHLORIDE MINERAL COMPOSITION, YIELD, SODIUM UPTAKE
843. SMITH, M. K.; MC COMB, J. A. EFFECT OF NA CL ON THE GROWTH OF WHOLE PLANTS AND THEIR CORRESPONDING CALLUS CULTURES. AUST. J. PLANT PHYSIOL. 8: 267-275. 1981. BEAN, KIDNEY; BEET LEGUMINOSAE: PHASEOLUS VULGARIS; CHENOPODIACEAE:

- ATRIplex UNDULATA, BETA VULGARIS, SUAEDA AUSTRALIS WATER CULTURE, POT, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, PROTEIN
844. SMITH, S. T. RECLAIM SALTY SOILS WITH BLUEBUSH. J. AGR. W. AUSTRALIA 2: 968-969. 1961. BLUEBUSH CHENOPODIACEAE:
KOCHIA BREVIFOLIA SALINE SOIL RECLAMATION
845. SMITH, S. T. RECLAIMING SALT LAND WITH BLUEBUSH. J. AGR. W. AUSTRALIA 1: 57-59. 1960. BLUEGRASS CHENOPODIACEAE:
KOCHIA BREVIFOLIA SALINE SOIL RECLAMATION
846. SOLIMAN, N. F.; ANTER, I. M.; SOLIMAN, M. F.; BAKHATI, H. K. EFFECT OF IRRIGATION REGIME UNDER SALINE CONDITIONS ON GROWTH AND YIELD OF COTTON PLANT IN CALCAREOUS SOIL. AGRIC. RES. REV. 54: 91-96. 1976. COTTON MALVACEAE:
GOSSYPIMUM BARBADENSE FIELD PLOT SODIUM, CALCIUM, CHLORIDE, IRRIGATION FREQUENCY, CALCAREOUS SOIL BOLL PRODUCTION, FLOWERING
847. SOLTANI, A.; BERNARD, T. SUR LE METABOLISME AZOTE D'NEDYSARUM CORONARIUM L. CULTIVE EN PRESENCE DE CHLORUE DE SODIUM. NITROGEN METABOLISM OF HEDYSARUM CORONARIUM L. GROWING IN THE PRESENCE OF SODIUM CHLORIDE. (FRE). C. R. ACAD. SCI. SER. D. 12: 1123. 1978. HONEYSUCKLE, FRENCH LEGUMINOSAE: HEDYSARUM CORONARIUM POT, VERMICULITE SODIUM, CHLORIDE VEGETATIVE GROWTH, AMINO ACID
848. SOMANI, L. L. INTERACTIVE EFFECT OF FLUORINE AND SALT CONTENTS OF IRRIGATION WATER ON GERMINATION, GROWTH, AND NODULATION OF BERSEEM. TROP. AGRIC. 54: 219-222. 1977. CLOVER, EGYPTIAN LEGUMINOSAE: TRIFOLIUM ALEXANDRINUM
SOIL, POT SODIUM, CALCIUM, CHLORIDE, FLUORIDE GERMINATION, NODULATION, VEGETATIVE GROWTH
849. SOMERS, G. F. NATURAL HALOPHYTES AS A POTENTIAL RESOURCE FOR NEW SALT-TOLERANT CROPS: SOME PROGRESS AND PROSPECTS. ENVIRON. SCI. RES. 14: 101-115. 1979.
850. SOMERS, G. F. PRODUCTION OF FOOD PLANTS IN AREAS SUPPLIED WITH HIGHLY SALINE WATER - PROBLEMS AND PROSPECTS. STRESS PHYSIOL. IN CROP PLANTS. INT. CONF. ON STRESS PHYSIOL. IN CROP PLANTS, BOYCE THOMPSON INST. PLANT RES. ITHACA, NY, JUNE, 1977: 107-125. 1979.
851. SOMERS, G. F.; FONTES, M.; GRANT, D. M. HALOPHYTES FROM COASTAL SALT MARSHES: A POTENTIAL SOURCE OF CROP PLANTS FOR ARID LANDS. IN: ARID LAND PLANT RESOURCES. PROC. INTL ARID LAND CONF., PLANT RESOURCES, TEXAS TECH. UNIV., JULY, 1979: 402-417. HALOPHYTE
852. SONNEVELD, C. EFFECTS OF SALINITY ON THE GROWTH AND MINERAL COMPOSITION OF SWEET PEPPER AND EGG PLANT GROWN UNDER GLASS. ACTA HORT. 89: 71-78. 1979. PEPPER; EGG PLANT SOLANACEAE: CAPSICUM ANNUUM, SOLANUM MELONGENA VAR ESCULENTUM POT, SOIL, GREENHOUSE SODIUM, POTASSIUM, CALCIUM, MAGNESIUM, CHLORIDE, NITRATE, SULFATE, BICARBONATE
FRUIT YIELD, MINERAL COMPOSITION, BLOSSOM-END ROT
853. SONNEVELD, C.; VOOGT, S. F. EFFECTS OF SALINE IRRIGATION WATER ON GLASSHOUSE CUCUMBERS. PLANT SOIL 49: 595-606. 1978. CUCUMBER CUCURBITACEAE: CUCUMIS SATIVUS GREENHOUSE, SOIL SODIUM, CHLORIDE, POTASSIUM, CALCIUM, MAGNESIUM, NITRATE, SULFATE, BICARBONATE YIELD, SODIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION

854. SOROUR, F. A.; ASSEED, M. S.; SHAALAN, M. I. TOLERANCE OF DIFFERENT WHEAT CULTIVARS (TRITICUM-SPP) TO SALINIZED WATER. LIBYAN J. AGRIC. 6:19-28. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM, TRITICUM DURUM POT, GREENHOUSE, SOIL SODIUM, CALCIUM, CHLORIDE GRAIN YIELD, VEGETATIVE GROWTH, EMERGENCE
855. SOROUR, F. A.; ASSEED, M.; GAJEM, Y. M. RESPONSE OF GROWTH AND YIELD OF TALL-STRAW WHEAT (TRITICUM AESTIVUM L.) TO SALINIZED WATER IRRIGATION AND CYCOCEL (CCC). LIBYAN J. AGRIC. 6: 11-18. 1977. WHEAT GRAMINEAE: TRITICUM AESTIVUM GREENHOUSE, POT, SOIL CYCOCEL, SODIUM, CHLORIDE, CALCIUM EMERGENCE, SEEDLING GROWTH, HEIGHT, TILLERING, GRAIN WEIGHT, STRAW YIELD
856. SPRENT, J. I. THE EFFECTS OF WATER STRESS ON NITROGEN-FIXING ROOT NODULES. III. EFFECTS OF OSMOTICALLY APPLIED STRESS. NEW PHYTOL. 71: 451-460. 1972. SOYBEAN LEGUMINOSAE: GLYCINE MAX POTS SALINE WATER, SODIUM, CHLORIDE ROOT GROWTH, NODULATION, OXYGEN UPTAKE, RESPIRATION
857. SRINIVASAN, P. S.; GOPALAKRISNAN, S. SCREENING OF DIFFERENT VARIETIES OF GROUNDNUT FOR SALT TOLERANCE. MADRAS AGRIC. J. 65: 765-766. 1978. PEANUT LEGUMINOSAE: ARACHIS HYPOGAEA SODIUM, CHLORIDE ROOT GROWTH
858. SRIVASTAVA, V. C.; JHA, R. K.; SHARMA, N. N.; VERMA, U. N. RESPONSE OF CERTAIN RABI CROPS TO LIMITED WATER SUPPLY IRRIGATION UNDER SALINE CONDITIONS. J. SOIL WATER CONSERV. INDIA 29: 9-15. 1979. WHEAT; BARLEY; LINSEED; POTATO, SWEET; LENTIL; GRAM; PEA GRAMINEAE: TRITICUM AESTIVUM, HORDEUM VULGARE; CONVULVULACEAE: IPOMOEA BATATAS; LEGUMINOSAE: LENS CULINARIS, PHASEOLUS MUNGO, PISUM SATIVUM SOIL, FIELD PLOT SALINE WATER, WATER TABLE YIELD
859. ST OMER, L.; SCHLESINGER, W. H. FIELD AND GREENHOUSE INVESTIGATIONS OF THE EFFECT OF INCREASING SALT STRESS ON THE ANATOMY OF JAUMEA CARNOSA (ASTERACEAE), A SALT MARSH SPECIES. AM. J. BOT. 67: 1455-1465. 1980. ASTERACEAE: JAUMEA CARNOSA FIELD PLOT, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH
860. ST OMER, L.; SCHLESINGER, W. H. REGULATION OF NaCl IN JAUMEA CARNOSA (ASTERACEAE), A SALT MARSH SPECIES, AND ITS EFFECT ON LEAF SUCCULENCE. AM. J. BOT. 67: 1448-1454. 1980. ASTERACEAE: JAUMEA CARNOSA POT CHLORIDE, SODIUM, SALT SPRAY CHLORIDE UPTAKE, CALCIUM UPTAKE, SODIUM UPTAKE, SUCCULENCE, LEAF THICKNESS
861. STARCK Z.; KARWOWSKA, R. EFFECT OF SALT-STRESSES ON THE HORMONAL REGULATION OF GROWTH, PHOTOSYNTHESIS AND DISTRIBUTION OF CARBON-14 ASSIMILATES IN BEAN PLANTS. ACTA SOC. BOT. POL. 47: 245-267. 1978. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE SODIUM, CHLORIDE, GIBBERELIC ACID, ZEATIN, ABSCISIC ACID GROWTH RATE, CARBON DIOXIDE ASSIMILATION, PHOTOSYNTHESIS, VEGETATIVE GROWTH
862. STARCK, Z.; CZAJKOWSKA, E. FUNCTION OF ROOTS IN NaCl-STRESSED BEAN PLANTS. PLANT SOIL 63: 107-113. 1981. BEAN LEGUMINOSAE: PHASEOLUS VULGARIS WATER CULTURE SODIUM, CHLORIDE, GIBBERELIC ACID ION UPTAKE, AUXIN, CYTOKININ
863. STARCK, Z.; KOZINSKA, M. EFFECT OF PHYTOHORMONES ON ABSORPTION AND DISTRIBUTION OF IONS IN SALT-STRESSED BEAN PLANTS. ACTA SOC. BOT. POL. 49: 111-125. 1980. BEAN LEGUMINOSAE: PHASEOLUS GREENHOUSE, WATER CULTURE GIBBERELIC ACID, ZEATIN, ABSCISIC ACID VEGETATIVE GROWTH, MINERAL COMPOSITION
864. STARK, J. C.; JARRELL, W. M. SALINITY-INDUCED MODIFICATIONS IN THE RESPONSE OF MAIZE TO WATER DEFICITS. AGRON. J. 72: 745-748. 1980. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, SAND, POT CALCIUM, CHLORIDE, SODIUM, WATER STRESS

VEGETATIVE GROWTH, WATER POTENTIAL

865. STASILYUNAS, O. A. SALT RESISTANCE OF TETRAPLOID BLUE ALFALFA (RUS; ENG SUM). FIZIOL. BIOKHIM. KUL'T. RAST. 10:83-85. 1978. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA SODIUM, CHLORIDE VEGETATIVE GROWTH, SALT TOLERANCE
866. STEINBORN, J.; ROUGHLEY, R. J. TOXICITY OF SODIUM AND CHLORIDE IONS TO RHIZOBIUM SPP. IN BROTH AND PEAT CULTURE. J. APPL. BACTERIOL. 39: 133-138. 1975. PEAT MOSS, MUCK RHIZOBIUM TRIFOLII, RHIZOBIUM MELILOTI, SODIUM, CHLORIDE, CALCIUM SODIUM TOXICITY, CHLORIDE TOXICITY
867. STELZER, R.; LAUCHLI, A. SALT AND FLOODING TOLERANCE OF PUCCINELLIA PEISONIS IV. ROOT RESPIRATION AND THE ROLE OF AERENCHYMA IN PROVIDING ATMOSPHERIC OXYGEN TO THE ROOTS. Z. PFLANZENPHYSIOL. 97: 171-178. 1980. GRAMINEAE: PUCCINELLIA PEISONIS WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, POTASSIUM, AERATION RESPIRATION, OXYGEN UPTAKE
868. STELZER, R.; LAUCHLI, A. SALT AND FLOODING TOLERANCE OF PUCCINELLIA PEISONIS. III. DISTRIBUTION AND LOCALIZATION OF IONS IN THE PLANT. Z. PFLANZENPHYSIOL. 88: 437-448. 1978. GRAMINEAE: PUCCINELLIA PEISONIS WATER CULTURE SODIUM, POTASSIUM, CHLORIDE SODIUM UPTAKE, POTASSIUM UPTAKE, CHLORIDE UPTAKE, CHLORIDE TRANSPORT, SODIUM TRANSPORT.
869. STELZER, R.; LAUCHLI, A. SALT-TOLERANCE AND FLOODING OF PUCCINELLIA PEISONIS. II. STRUCTURAL DIFFERENTIATION OF ROOT IN RELATION TO FUNCTION (GER; ENG SUM). Z. PFLANZENPHYSIOL. 84:95-108. 1977. GRAMINEAE: PUCCINELLIA PEISONIS WATER CULTURE SODIUM, CHLORIDE, POTASSIUM HISTOLOGY, CELL GROWTH
870. STEVENINCK, R. F. M. VAN; CHENOWETH, A. R. F. ULTRASTRUCTURAL LOCALIZATION OF IONS. I. EFFECT OF HIGH EXTERNAL SODIUM CHLORIDE CONCENTRATION ON THE APPARENT DISTRIBUTION OF CHLORIDE IN THE LEAF PARENCHYMA CELLS OF BARLEY SEEDLINGS. AUST. J. BIOL. SCI. 25:499-516. 1972. BARLEY GRAMINEAE: HORDEUM VULGARE TEST TUBES, GROWTH CHAMBER, WATER CULTURE SODIUM, CHLORIDE CHLORIDE UPTAKE, SODIUM UPTAKE, SEEDLING GROWTH
871. STEVENINCK, R. F. M. VAN; STEVENINCK, M. E. VAN; STELZER, R.; LAUCHLI, A. ELECTRON PROBE X-RAY MICROANALYSIS OF ION DISTRIBUTION IN LUPINUS LUTEUS L. SEEDLINGS EXPOSED TO SALINITY STRESS. DEV. PLANT BIOL. 4: 489-490. 1980. LUPINE, YELLOW LEGUMINOSAE: LUPINUS LUTEUS WATER CULTURE SODIUM, CHLORIDE MINERAL COMPOSITION
872. STEVENS, H. C.; CALVAN, M.; LEE, K.; SIEGEL, B. Z.; SIEGEL, S. M. PEROXIDASE ACTIVITY AS A SCREENING PARAMETER FOR SALT STRESS IN BRASSICA SPIES. PHYTOCHEMISTRY 17: 1521-1522. 1978. MUSTARD CRUCIFERAE: BRASSICA WATER CULTURE SEA WATER VEGETATIVE GROWTH, PEROXIDASE ACTIVITY, SHOOT GROWTH, PROTEIN
873. STEWART, G. R.; LARHER, F.; AHMAD, I.; LEE, J. A. NITROGEN METABOLISM AND SALT TOLERANCE IN HIGHER PLANT HALOPHYTES. IN: ECOLOGICAL PROCESSES IN COASTAL ENVIRONMENTS. 1ST EUROPEAN ECOLOGICAL SYMPOSIUM. R. L. JEFFRIES AND A. J. DAVY (EDS.). BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD. 211-227. 1979.
874. STEWART-JONES, W. A FIELD TRIAL TO EXAMINE THE POSSIBLE INDUCTION OF SALT TOLERANCE MAIZE. JOINT AGRIC. RES. DEV. PROJ. NO. 65, BANGOR, WALES: UNIV. COLL. NORTH WALES : 14 PP. 1976. CORN GRAMINEAE: ZEA MAYS FIELD PLOT, SOIL SALINE WATER, CHOLINE PHOSPHATE, BETAINE HYDROCHLORIDE GRAIN YIELD, MINERAL COMPOSITION, VEGETATIVE GROWTH

875. STONE, J. E.; MARK, D. B.; DOBRENZ, A. K. INTERACTION OF SODIUM CHLORIDE AND TEMPERATURE ON GERMINATION OF TWO ALFALFA CULTIVARS. AGRON. J. 71: 425-427. 1979. ALFALFA LEGUMINOSAE: MEDICAGO SATIVA GERMINATION DISHES SODIUM, CHLORIDE, TEMPERATURE GERMINATION
876. STOUT, D. G.; SIMPSON, G. M.; FLOTRE, D. M. DROUGHT RESISTANCE OF SORGHUM BICOLOR L. MOENCH. 3. SEED GERMINATION UNDER OSMOTIC STRESS. CAN. J. PLANT SCI. 60: 13-24. 1980. SORGHUM GRAMINEAE: SORGHUM BICOLOR GROWTH CHAMBER, GERMINATION DISHES MANNITOL, POLYETHYLENE GLYCOL, VARIETY, SOIL MOISTURE, GIBBERELIC ACID, ACETIC ACID, KINETIN GERMINATION, WATER UPTAKE
877. STUIVER, C. E. E.; KUIPER, P. J. C.; MARSCHNER, H. LIPIDS FROM BEAN, BARLEY AND SUGARBEET IN RELATION TO SALT RESISTANCE. PHYSIOL. PLANT. 42: 124-128. 1978. BEAN; BARLEY; BEET, SUGAR LEGUMINOSAE: PHASEOLUS VULGARIS; GRAMINEAE: HORDEUM VULGARE; CHENOPODIACEAE: BETA VULGARIS WATER CULTURE LIPID, PHOSPHOLIPIDS, GLYCOLIPID, STEROLS, FATTY ACIDS, SULFOLIPID, PHOSPHATIDYL CHOLINE
878. SUNG, J. M. EFFECTS OF NA CL SALINITY ON GERMINATION OF BARLEY CULTIVARS. (CHI; ENG SUM) CHUNG-HUA MUNG HSUEH HUI PAO. J. AGRIC. ASSOC. CHINA. 41-47. 1981. BARLEY GRAMINEAE: HORDEUM VULGARE SODIUM, CHLORIDE GERMINATION, SEEDLING EMERGENCE, SEEDLING GROWTH, SALT TOLERANCE
879. TADMOR, N. H.; COHEN, Y.; HARPAZ, Y. INTERACTIVE EFFECTS OF TEMPERATURE AND OSMOTIC POTENTIAL ON THE GERMINATION OF RANGE PLANTS. CROP SCI. 9: 771-774. 1969. HARDING GRASS; CLOVER, BUR; MEDIC, BARREL; WHEAT; BARLEY; RICEGRASS GRAMINEAE: PHALARIS TUBEROSA, TRITICUM AESTIVUM, HORDEUM VULGARE, ORYZOPSIS HOLCIFORMIS; LEGUMINOSAE: MEDICAGO HISPIDA, MEDICAGO TRUNCATULA GERMINATION DISHES MANNITOL, POLYETHYLENE GLYCOL, TEMPERATURE GERMINATION
880. TAGAWA, T.; ISHIZAKA, N. PHYSIOLOGICAL STUDIES ON THE TOLERANCE OF RICE PLANTS TO SALINITY. 3. MECHANISM OF TRANSLOCATION OF CHLORIDE ION IN RICE PLANTS. (JAP; ENG SUM). PROC. CROP SCI. SOC. JAPAN. 32: 121-123. 1964. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE SODIUM, CHLORIDE CHLORIDE UPTAKE, CHLORIDE TRANSLOCATION
881. TAGAWA, T.; ISHIZAKA, N. PHYSIOLOGICAL STUDIES ON THE TOLERANCE OF RICE PLANTS TO SALINITY. 4. EFFECTS OF SALINITY ON ROOTING ACTIVITY OF RICE PLANTS (JAP; ENG SUM) PROC. CROP SCI. SOC. JAPAN 32: 124-127. 1964. RICE GRAMINEAE: ORYZA SATIVA SAND SODIUM, CHLORIDE ROOT GROWTH, VEGETATIVE GROWTH, SEED YIELD
882. TAJUDDIN, E.; CHANDRASEKARAN, S. EFFECT OF BORE WELL SALINE WATERS ON THREE RICE TYPES. AGRIC. RES. J. KERALA 17: 160-164. 1979. RICE GRAMINEAE: ORYZA SATIVA POT, SOIL SALINE WATER GRAIN WEIGHT, GRAIN YIELD
883. TAJUDDIN, E.; PARTHASARATHY, V. A.; RAJ, S. A. CHANGES IN BIOCHEMICAL CONSTITUENTS IN MUSKMELON SEEDLINGS CAUSED BY SALINITY. PUNJAB HORT. J. 16: 71-74. 1976. MUSKMELON CUCURBITACEAE: CUCUMIS MELO POT, SOIL CALCIUM, MAGNESIUM, CHLORIDE STARCH, REDUCING SUGAR, PHENOLS, AMINO NITROGEN
884. TAKAHATA, Y.; TSUNODA, S. DIFFERENCE IN SALT TOLERANCE AMONG SPECIES OF BRASSICA AND ALLIED GENERA WITH SPECIAL REFERENCE TO THEIR PHOTOSYNTHETIC RESPONSE. (JAP; ENG SUM) JPN. J. BREED. 31: 383-394. 1981. MUSTARD CRUCIFERAE: BRASSICA SAND SODIUM, CHLORIDE PHOTOSYNTHESIS, SODIUM UPTAKE
885. TAL, M.; HEIKIN, H.; DEHAN, K. SALT TOLERANCE IN THE WILD RELATIVES OF THE CULTIVATED TOMATO. RESPONSES OF CALLUS

- TISSUE OF LYCOPERSICON ESCULENTUM, L. PERUVIANUM, AND SOLANUM PENNELLII TO HIGH SALINITY. Z. PFLANZENPHYSIOL. 86: 231-240. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM, SOLANUM PENNELLII GREENHOUSE, WATER CULTURE, CALLUS TISSUE SODIUM, CHLORIDE VEGETATIVE GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE
886. TAL, M.; KATZ, A. SALT TOLERANCE IN THE WILD RELATIVES OF THE CULTIVATED TOMATO; THE EFFECT OF PROLINE ON THE GROWTH OF CALLUS TISSUE OF LYCOPERSICON ESCULENTUM AND LYCOPERSICON PERUVIANUM UNDER SALT AND WATER STRESSES. Z. PFLANZENPHYSIOL. 98: 283-288. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE, MANNITOL, PROLINE, DEHYDROPROLINE CALLUS GROWTH
887. TAL, M.; KATZ, A.; HEIKIN, H.; DEHAN, K. SALT TOLERANCE IN WILD RELATIVES OF THE CULTIVATED TOMATO: PROLINE ACCUMULATION IN LYCOPERSICON ESCULENTUM. MILL., L. PERUVIANUM MILL. AND SOLANUM PENNELLII COR. TREATED WITH NaCl AND POLYETHYLENE GLYCOL. NEW PHYTOLOGIST. 82: 349-355. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM, LYCOPERSICON PERUVIANUM, SOLANUM PENNELLII GREENHOUSE, WATER CULTURE, POT SODIUM, CHLORIDE, POLYETHYLENE GLYCOL PROLINE, CHLORIDE UPTAKE, SUCCULENCE
888. TAL, M.; ROSENTHAL, I.; ABRAMOVITZ, R.; FORTI, M. SALT TOLERANCE IN SIMMONDSIA CHINENSIS: WATER BALANCE AND ACCUMULATION OF CHLORIDE, SODIUM, AND PROLINE UNDER LOW AND HIGH SALINITY. ANN. BOT. 43: 701-708. 1979. JOJOBA BUXACEAE: SIMMONDSIA CHINENSIS WATER CULTURE, GREENHOUSE SODIUM, CHLORIDE VEGETATIVE GROWTH, LEAF WATER CONTENT, SODIUM UPTAKE, CHLORIDE UPTAKE, PROLINE
889. TAWFIC, H. A.; ABO EL-SAOD, I. A.; MARIA, A. M. EFFECT OF SALT CONCENTRATIONS ON THE GROWTH AND INTERNAL STRUCTURE OF COWPEA PLANTS. ANN. AGRIC. SCI. 20:171-185. 1977. COWPEA LEGUMINOSAE: VIGNA UNGUICULATA SAND, POT SODIUM, CALCIUM, CHLORIDE VEGETATIVE GROWTH, ANATOMICAL RESPONSE
890. TAYLOR, N. SALT TOLERANCE OF LONG ISLAND SALT MARSH PLANTS. NEW YORK STATE MUS., ALBANY, N. Y. CIRC. 23:42 PP. 1939. SALT MARSH GRASS; SALT MEADOW GRASS; ELDER, MARSH; FLEABANE, MARSH; LAVENDER, SEA; GLASSWORT; GROUNDSELBUSH; SPIKE GRASS; GOLDENROD, SEASIDE; REED, DITCH PLUMBAGINACEAE: LIMONIUM CAROLINIANUM; GRAMINEAE: SPARTINA ALTERNIFLORA GLABRA, SPARTINA PATENS, DISTICHLIS SPICATA, PHRAGMITES COMMUNIS; COMPOSITAE: IVA ORARIA, PLUCHEA CAMPHORATA, BACCHARIS HALIMIFOLIA, CHENOPODIACEAE: SALICORNIA EUROPAEA ECOLOGY
891. TEAS, H. J. SALINE SILVICULTURE. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 369-381. 1982. MANGROVE RHIZOPHORACEAE: RHIZOPHORA MANGLE FIELD SALINE WATER WOOD YIELD, SELECTIVE BREEDING, SILVICULTURE
892. TEMPLE, P. J.; LINZON, S. N.; SMITH, M. L. FLUORINE AND BORON EFFECTS ON VEGETATION IN THE VICINITY OF FIBERGLASS PLANT. WATER, AIR AND SOIL POLLUTION 10: 163-174. 1978. MAPLE, SILVER; BOX ELDER; BUCKTHORN, COMMON ACERACEAE: ACER SACCHARINUM, ACER NEGUNDO RHAMNACEAE: RHAMNUS CATHARTICA FIELD PLOT BORON, FLUORINE, AEROSOL BORON UPTAKE, FLUORIDE UPTAKE, SHOOT GROWTH
893. TEMPLE, P. J.; RICHARDS, R. A. EFFECTS OF ATMOSPHERIC DEPOSITION OF SODIUM SULFATE ON BEAN AND TOMATO PLANTS. BULL. ENVIRON. CONTAM. TOXICOL. 19: 257-263. 1978. BEAN, PINTO; TOMATO LEGUMINOSAE: PHASEOLUS VULGARIS: SOLANACEAE: LYCOPERSICON ESCULENTUM GREENHOUSE SODIUM, SULFATE, SALT SPRAY VEGETATIVE GROWTH, ROOT GROWTH, SODIUM UPTAKE

894. TESU, C.; MERLESCU, E.; AVARVAREI, I.; VACARU, M. O. TOLERANTA LA SALINITATE A CITORVA SOIURI DE MAZARE. SALT TOLERANCE OF SOME PEA VARIETIES. (RUM; ENG SUM). LUC. STIINT. INST. AGRON. 23: 61-62. 1979. PEA LEGUMINOSAE: PISUM SATIVUM SOIL SODIUM, CHLORIDE SALT TOLERANCE
895. THERIOS, I. N.; WEINBAUM, ST. A. INFLUENCE OF SALINIZATION ON GROWTH, MINERAL COMPOSITION, NITRATE COMPENSATION POINT AND NITRATE UPTAKE BY TWO PLUM CLONES GROWN IN SOLUTION CULTURE. Z. PFLANZENPHYSIOL. 99: 306-311. 1980. PLUM, CHERRY; PLUM, WILD-GOOSE ROSACEAE: PRUNUS Cerasifera, PRUNUS munsoniana GROWTH CHAMBER, WATER CULTURE MANNITOL, SODIUM, CHLORIDE OSMOTIC PRESSURE, NITROGEN UPTAKE, NITRATE COMPENSATION POINT, VEGETATIVE GROWTH
896. THOMAS, J. R. OSMOTIC AND SPECIFIC SALT EFFECTS ON GROWTH OF COTTON. AGRON. J. 72: 407-412. 1980. COTTON MALVACEAE: GOSSYPIMUM HIRSUTUM SOIL, FIELD PLOT SODIUM, CALCIUM, MAGNESIUM, CHLORIDE, SALINE SOIL VEGETATIVE GROWTH, GROWTH RATE, SODIUM UPTAKE, MAGNESIUM UPTAKE, CALCIUM UPTAKE
897. THOMAS, J. R.; LANGDALE, G. W. IONIC BALANCE IN COASTAL BERMUDAGRASS INFLUENCED BY NITROGEN FERTILIZATION AND SOIL SALINITY. AGRON J. 72: 449-452. 1980. BERMUDA GRASS GRAMINEAE: CYNODON DACTYLON POT, SOIL SODIUM, CHLORIDE, CALCIUM, SULFATE, MAGNESIUM, POTASSIUM VEGETATIVE GROWTH, MINERAL COMPOSITION
898. THOMAS, J. R.; SALINAS, F. G.; OERTHER, G. F. USE OF SALINE WATER FOR SUPPLEMENTAL IRRIGATION OF SUGARCANE. AGRON. J. 73: 1011-1017. 1981. SUGARCANE GRAMINEAE: SACCHARUM OFFICINARUM FIELD PLOTS, SOIL SALINE WATER, WATER QUALITY YIELD, HEIGHT, SODIUM UPTAKE
899. TINKER, P. B.; REED, L.; LEGG, C.; HOJER-PEDERSON, S. THE EFFECTS OF CHLORIDE IN FERTILIZER SALTS ON CROP SEED GERMINATION. J. SCI. FOOD AGRIC. 28: 1045-1051. 1977. LETTUCE; WHEAT; BEET, SUGAR; CORN; CAULIFLOWER COMPOSITAE: LACTUCA SATIVA; GRAMINEAE: TRITICUM AESTIVUM, ZEA MAYS; CHENOPODIACEAE: BETA VULGARIS; CRUCIFERAE: BRASSICA OLERACEA VAR BOTRYTIS SOIL CHLORIDE, SOIL MOISTURE, NITRATE GERMINATION
900. TOMAR, O. S.; YADAV, J. S. P. EFFECT OF SALINE IRRIGATION WATER OF VARYING EC, SAR AND RSC LEVELS ON GERMINATION AND SEEDLING GROWTH OF SOME FOREST SPECIES. INDIAN J. FOR. 3: 306-314. 1980. GUM-ARABIC; WOMAN'S-TONGUE TREE; JERUSALEM-THORN; KARUM TREE; MESQUITE LEGUMINOSAE: ACACIA NILOTICA, ACACIA TORTILIS, ALBIZIA LEBBECK, PARKINSONIA ACULEATA, PONGAMIA PINNATA, PROSOPIS JULIFLORA; MYRTACEAE: EUCALYPTUS HYBRID; LYTHRACEAE: LAWSONIA GLAUCA POT, SOIL, SAND CALCIUM, CHLORIDE, SODIUM GERMINATION, SEEDLING GROWTH
901. TOMAS, I. PRILOG POZNAVANJU KONCENTRACIJE BORA U VODI ZA NAVODNJAVANJE KOD UZGOJA STAKLENICKIH KULTURA. A CONTRIBUTION TO THE KNOWLEDGE OF BORON CONCENTRATION IN IRRIGATION WATER USED IN THE GROWING OF GREENHOUSE PLANTS PHYTOTOXICITY. (ENG SUM). AGROHEMIJA 5: 231-235. 1980. CUCUMBER CUCURBITACEAE: CUCUMIS SATIVUS GREENHOUSE BORON VEGETATIVE GROWTH
902. TOTAWAT, K. L.; SINGH, R. M. EFFECT OF QUALITY OF IRRIGATION WATERS ON YIELD AND SUGAR CONTENT OF SUGARBEET (BETA VULGARIS L.). CURR. AGRIC. 1: 59-61. 1977. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM YIELD, CROP QUALITY
903. TOTAWAT, K. L.; SINGH, R. M. EFFICACY OF SOIL CONDITIONERS AND NITROGEN UNDER SALINE-SODIC IRRIGATION ON PEA. 1. DRY MATTER, NITROGEN AND GREEN POD YIELD AND QUALITY OF PODS. INDIAN J. AGRON. 26: 42-48. 1981. PEA LEGUMINOSAE: PISUM SATIVUM FIELD, SOIL BRACKISH WATER YIELD, VEGETATIVE GROWTH, CROP QUALITY

904. TOTAWAT, K. L.; SINGH, R. M. EFFICACY OF SOIL CONDITIONERS AND NITROGEN UNDER SALINE-SODIC IRRIGATION ON SUGARBEET (BETA VULGARIS L.) DRY MATTER, YIELD, AND SUGAR PRODUCTION. ANNU. ARID ZONE 17: 209-215. 1978. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS FIELD PLOT, SOIL GYPSUM, SULFUR, MANURE, NITROGEN, SALINE WATER ROOT YIELD, SUGAR YIELD, VEGETATIVE GROWTH
905. TOWNLEY-SMITH, L. J.; REDMANN, R. E. INJURY TO ASPEN (POPULUS TREMULOIDES) EXPOSED TO AIRBORNE SALT FROM POTASH MINES IN SASKATCHEWAN. CAN. J. BOT. 58: 2616-2623. 1980. ASPEN, QUAKING SALICACEAE: POPULUS TREMULOIDES FIELD POTASH, POTASSIUM, CHLORIDE, SODIUM LEAF FREQUENCY, LEAF INJURY, BRANCH INJURY, CHLORIDE UPTAKE
906. TOWNSEND, A. M. RESPONSE OF SELECTED TREE SPECIES TO SODIUM CHLORIDE. J. AM. SOC. HORTIC. SCI. 105: 878-883. 1980. DOGWOOD, FLOWERING; SYCAMORE, EASTERN; OAK, PIN; LOCUST, HONEY; PINE, WHITE; PAGODA TREE, JAPANESE CORNACEAE: CORNUS FLORIDA; PLATANACEAE: PLATANUS OCCIDENTALIS; FAGACEAE: QUERCUS PALUSTRIS; LEGUMINOSAE: GLEDITSIA TRIACANTHOS, SOPHORA JAPONICA; PINACEAE: PINUS STROBUS GREENHOUSE, WATER CULTURE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, HEIGHT, SODIUM UPTAKE, CHLORIDE UPTAKE, MINERAL COMPOSITION
907. TRAVNIK, K.; GLOS, J. VYNOSY PLODIN PRI STUPNOVANYCH DAVKACH STOPOVYCH PRVKU. CROP YIELDS WITH INCREASED DOSES OF TRACE ELEMENTS. (CZE; ENG SUM). HERB. ABSTR. 49: 2882. 1979. BARLEY; OATS GRAMINEAE: HORDEUM, AVENA SOIL, POT, FIELD MOLYBDENUM, BORON, COPPER, MANGANESE, ZINC YIELD
908. TRIPATHI, B. R.; MISRA, B.; SINGH, R. M.; SINGH, B. P. QUALITY OF IRRIGATION WATER AND ITS EFFECT ON SOIL CHARACTERISTICS IN SEMI-DESERT TRACT OF UTTAR PRADESH. II. EFFECT OF WATER QUALITY ON SOIL PROPERTIES AND YIELD OF WHEAT CROP. INDIAN J. AGRON. 16: 95-102. 1971. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD, SOIL SALINE SOIL, SODIUM ADSORPTION RATIO, SALINE WATER GRAIN YIELD, STRAW YIELD
909. TRUMAN, R.; LAMBERT, M. J. SALINITY DAMAGE TO NORFOLK ISLAND PINES CAUSED BY SURFACTANTS. I. THE NATURE OF THE PROBLEM AND EFFECT OF POTASSIUM, SODIUM, AND CHLORIDE CONCENTRATION ON UPTAKE BY ROOTS. AUST. J. PLANT PHYSIOL. 5: 377-385. 1978. PINE, NORFOLK ISLAND ARAUCARIACEAE: ARAUCARIA HETEROPHYLLA POT, WATER CULTURE, GREENHOUSE, FIELD SODIUM, CHLORIDE, POTASSIUM SODIUM UPTAKE, CHLORIDE UPTAKE, POTASSIUM UPTAKE
910. TU, J. C. EFFECT OF SALINITY ON RHIZOBIUM-ROOT-HAIR INTERACTION, NODULATION AND GROWTH OF SOYBEAN. CAN. J. PLANT SCI. 61: 231-239. 1981. SOYBEAN LEGUMINOSAE: GLYCINE MAX GREENHOUSE, POT, WATER CULTURE SODIUM, CHLORIDE ROOT GROWTH, RHIZOBIUM, NODULATION, VEGETATIVE GROWTH
911. TUR, N. S.; VOROB'EV, N. V.; ZHURBA, T. P. EFFECTS OF ISOOSMOTIC SOLUTIONS OF DEXTRAN, SODIUM CHLORIDE AND SODIUM SULFATE ON GERMINATION OF SEEDS AND RESPIRATION OF EMBRYOS IN RICE. SOV. PLANT PHYSIOL. 26: 360-363. 1979. RICE GRAMINEAE: ORYZA SATIVA WATER CULTURE DEXTRAN, SODIUM, CHLORIDE, SULFATE GERMINATION, SEEDLING GROWTH, RESPIRATION
912. TURNER, J. F.; TOMLINSON, J. D.; CALDWELL, R. A. EFFECT OF SALTS ON THE ACTIVITY OF CARROT PHOSPHOFRUCTOKINASE. PLANT PHYSIOL. 66: 973-977. 1980. CARROT UMBELLIFERAE: DAUCUS CAROTA TEST TUBE SODIUM, CALCIUM, CHLORIDE, POTASSIUM ENZYME, ENZYME ACTIVITY
913. TYAGI, A. K.; RASHID, A.; MAHESHWARI, S. C. SODIUM CHLORIDE RESISTANT CELL LINE FROM HAPLOID DATURA INNOXIA MILL. A RESISTANCE TRAIT CARRIED FROM CELL TO PLANTLET AND VICE VERSA IN VITRO. PROTOPLASMA 105: 327-332. 1981. THORN

APPLE, DOWNY SOLANACEAE: DATURA INOXIA SODIUM, CHLORIDE GENETIC INTERACTION, CALLUS GROWTH, GENETIC VARIABILITY

914. TYLER, N. J.; FOWLER, D. B.; GUSTA, L. V. THE EFFECT OF SALT STRESS ON THE COLD HARDINESS OF WINTER WHEAT. CAN. J. PLANT SCI. 61: 543-548. 1981. WHEAT GRAMINEAE: TRITICUM AESTIVUM GERMINATION DISH SODIUM, CHLORIDE YIELD, COLD HARDINESS
915. UDOVENKO, G. V.; SINEL'NIKOVA, V. N.; SEMUSHINA, L. A.; EVDOKIMOV, V. M. EFFECT OF SOIL SALINIZATION ON THE PHOTOSYNTHETIC ACTIVITY OF PLANTS AND ON THE ACCUMULATION OF STORAGE SUBSTANCES. (RUS). BIULL. VSES. INST. RASTENIEVOD 63: 40-44. 1976. BARLEY; WHEAT; BEAN, BROAD; MILLET, PROSO; POTATO LEGUMINOSAE: VICIA FABA; GRAMINEAE: HORDEUM VULGARE, TRITICUM AESTIVUM, PANICUM MILIACEUM; SOLANACEAE: SOLANUM TUBEROSUM GREENHOUSE, SAND SODIUM, CHLORIDE PHOTOSYNTHESIS, VEGETATIVE GROWTH, PROTEIN
916. UMIEL, N.; ZAHAVI, E.; CHEN, Y. EFFECTS OF SALINITY STRESSES ON TOBACCO. 2. SHORT TERM KINETICS OF NA⁺ AND K⁺ UPTAKE BY CALLUS CULTURES GROWN ON MEDIA CONTAINING NA⁺CL. Z. PFLANZENPHYSIOL. 100: 363-367. 1980. TOBACCO SOLANACEAE: NICOTIANA TABACUM GERMINATION DISH SODIUM, CHLORIDE SODIUM UPTAKE, POTASSIUM UPTAKE
917. UNGAR, I. A. THE EFFECTS OF SALINITY AND HORMONAL TREATMENTS ON GROWTH AND ION UPTAKE OF SALICORNIA EUROPAEA. SOC. BOT. FR. ACTUALITES BOT. 3-4: 95-104. 1978. CHENOPODIACEAE: SALICORNIA EUROPAEA POT, VERMICULITE SODIUM, CHLORIDE, GIBBERELIC ACID, KINETIN VEGETATIVE GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE, WATER CONTENT
918. UNGAR, I. A. GERMINATION ECOLOGY OF HALOPHYTES. TASKS FOR VEGETATION SCIENCE: 143-154. 1982. GERMINATION
919. UNGAR, I. A. HALOPHYTE SEED GERMINATION. BOT. REV. 44: 233-264. 1978. HALOPHYTE
920. UNGAR, I. A. SALINITY, TEMPERATURE, AND GROWTH REGULATOR EFFECTS ON SEED GERMINATION OF SALICORNIA EUROPAEA. AQUAT. BOT. 3:329-336. 1977. SAMPHIRE; GLASSWORT CHENOPODIACEAE: SALICORNIA EUROPAEA GERMINATION DISHES GIBBERELIC ACID, KINETIN, SODIUM, CHLORIDE, TEMPERATURE GERMINATION
921. UNGAR, I. A. SEED DIMORPHISM IN SALICORNIA EUROPAEA L. BOT. GAZ. 140: 102-108. 1979. SAMPHIRE CHENOPODIACEAE: SALICORNIA EUROPAEA GERMINATOR, GERMINATION DISH SODIUM, CHLORIDE, GIBBERELIC ACID, ZEATIN RIBOSIDE, LIGHT SEED WEIGHT, SEED SIZE, GERMINATION
922. UNGAR, I. A. SPECIES-SOIL RELATIONSHIPS ON SULFATE DOMINATED SOILS OF SOUTH DAKOTA. AMER. MIDLAND NAT. 83: 343-357. 1970. CHENOPODIACEAE: SALICORNIA EUROPAEA, SUAEDA DEPRESSA; CYPERACEAE: SCIRPUS PALUDOSUS; POTAMOGETONACEAE: POTAMOGETON PECTINATUS; GRAMINEAE: PUCCINELLIA NUTTALINA, DISTICHLIS STRICTA, PHARAGMITES COMMUNIS, HORDEUM JUBATUM, POA ARIDA, AGROPYRON SMITHII FIELD, SOIL SALINE SOIL, SULFATE ECOLOGY
923. UNGAR, I. A.; BENNER, D. K.; MCGRAW, D. C. THE DISTRIBUTION AND GROWTH OF SALICORNIA EUROPAEA ON AN INLAND SALT PAN. ECOLOGY 60: 329-336. 1979. CHENOPODIACEAE: SALICORNIA EUROPAEA FIELD PLOT, SOIL, GERMINATION DISHES, VERMICULITE, POT SALINE SOIL, SODIUM, CHLORIDE GERMINATION, ECOLOGY, VEGETATIVE GROWTH, ROOT GROWTH

924. VALENZUELA, J. B.; SEPULVEDA, G. R. BORON EXCESS IN ELQUI VALLEY VINEYARDS (SPA; ENG SUM). AGRIC TECN. (SANTIAGO) 37:93-96. 1977. GRAPE VITACEAE: VITIS SOIL, FIELD BORON BORON TOXICITY
925. VARADINOV, S. G. SALT-HARDINESS OF THE SPECIES AND VARIETY DIVERSITY OF SORGHUM (SORGHUM MOEUCH, SUBGEN. SORGHUM). (RUS). BIULL. VSES INST. RASTENIEVOD 53: 40-44. 1975. GRAMINEAE: SORGHUM MOEUCH GERMINATION DISHES VARIETY, SODIUM, CHLORIDE, SULFATE GERMINATION
926. VARSHNEY, K. A. GROWTH AND DEVELOPMENT OF TWO DIFFERENTIALLY SALINIZED GUAR VARIETIES UNDER THE INFLUENCE OF SOME HORMONES. INDIAN J. PLANT PHYSIOL. 23: 199-205. 1980. GUAR LEGUMINOSAE: CYAMOPSIS TETRAGONOLOBUS POT, GROWTH CHAMBER, SOIL CALCIUM, CHLORIDE, SODIUM, HORMONES, KINETIN, INDOLEACETIC ACID CHLOROPHYLL, LEAF FREQUENCY, HEIGHT, WATER CONTENT
927. VARSHNEY, K. A.; BAIJAL, B. D. EFFECT OF SALT STRESS ON CHLOROPHYLL CONTENTS OF SOME GRASSES. INDIAN J. PLANT PHYSIOL. 20: 161-163. 1977. PANIC GRASS, BLUE; RHODES GRASS GRAMINEAE: PANICUM ANTIDOTALE, SETARIA SPHACELATA, CHLORIS GAYANA, PENNISETUM PEDICELLATUM SOIL, POT SODIUM, CALCIUM, CHLORIDE CHLOROPHYLL "A", CHLOROPHYLL "B"
928. VARSHNEY, K. A.; BAIJAL, B. D. INFLUENCE OF HORMONAL TREATMENTS ON CHLOROPHYLL RETENTION IN LEAF DISKS FROM SOME SALT STRESSED GRASSES. COMP. PHYSIOL. ECOL. 4: 104-105. 1979. PANIC GRASS, GIANT GRAMINEAE: PANICUM ANTIDOTALE, SETARIA SPHACELATA, PENNISETUM PEDICELLATUM POT, SOIL KINETIN, GIBBERELIC ACID, INDOLEACETIC ACID CHLOROPHYLL
929. VARSHNEY, K. A.; BAIJAL, B. D. NOTE ON THE INFLUENCE OF SALINITY ON EARLY SEEDLING GROWTH OF SOME PASTURE GRASSES. INDIAN J. AGRIC. RES. 11: 59-61. 1977. PANIC GRASS, GIANT GRAMINEAE: PANICUM ANTIDOTALE, PENNISETUM PEDICELLATUM, SETARIA SPHACELATA TEST TUBE SODIUM, CALCIUM, CHLORIDE ROOT GROWTH, SEEDLING GROWTH
930. VARSHNEY, S. P. PLASTICITY OF CYNODON DACTYLON PERS. TO SALT-STRESS. COMP. PHYSIOL. ECOL. 4: 140-142. 1979. BERMUDA GRASS GRAMINEAE: CYNODON DACTYLON POT, SOIL SODIUM, CARBONATE, SULFATE, CHLORIDE FLOWERING, WILTING
931. VAUGHAN, A. K. F. THE RELATION BETWEEN THE CONCENTRATION OF BORON IN THE REPRODUCTIVE AND VEGETATIVE ORGANS OF MAIZE PLANTS AND THEIR DEVELOPMENT. RHOD. J. AGRIC. RES. 15: 163-170. 1977. CORN GRAMINEAE: ZEA MAYS GREENHOUSE, SAND, POT BORON BORON UPTAKE, LEAF INJURY, GRAIN YIELD, VEGETATIVE GROWTH
932. VEERANNAH, L.; BALAKRISHNAN, R.; RAMAN, K. R.; ALAGIAMANAVALON, R. S. SCREENING OF DIFFERENT VARIETIES OF BANANA AND PAPAYA FOR SALT TOLERANCE. INDIAN J. HORTIC. 31: 135-139. 1974. BANANA; PAPAYA MUSACEAE: MUSA PARADISIACA; CARICACEAE: CARICA PAPAYA WATER CULTURE SODIUM, CHLORIDE SALT TOLERANCE
933. VENABLES, A. V.; WILKINS, D. A. SALT TOLERANCE IN PASTURE GRASSES. NEW PHYTOLOGIST. 80: 613-622. 1978. QUACK GRASS; BENTGRASS, CREEPING; FESCUE, RED; RYEGRASS, PERENNIAL; ALKALI GRASS GRAMINEAE: AGROPYRON REPENS, AGROSTIS STOLONIFERA, FESTUCA RUBRA, HORDEUM SECALINUM, LOLIUM PERENNE, PUCCINELLIA DISTANS WATER CULTURE SODIUM, CHLORIDE ROOT GROWTH, HYBRIDS, VEGETATIVE GROWTH
934. VENKAT RAJU, K.; RANGANAYAKULU, C. EFFECT OF SALINE WATER IRRIGATION ON SALT DISTRIBUTION IN PROFILE AND PERFORMANCE OF SUNFLOWER CROP. INDIAN J. AGRIC. RES. 12: 183-186. 1978. SUNFLOWER; MILLET, AFRICAN COMPOSITAE: HELIANTHUS

- ANNUUS; GRAMINEAE: ELEUSINE CORACANA FIELD PLOT, SOIL SALINE WATER, SODIUM, CHLORIDE, BICARBONATE, MAGNESIUM, SULFATE, CALCIUM OIL YIELD, SEED YIELD
935. VENKAT RAJU, K.; SARMA, D. A.; RANGANAYAKULU, C. EVALUATION OF GROUNDNUT AND SUNFLOWER FOR THEIR SUITABILITY TO SALINE WATER IRRIGATION. J. RES. APAU. II. 2: 76-79. 1975. PEANUT; SUNFLOWER LEGUMINOSAE: ARACHIS HYPOGAEA; COMPOSITAE: HELIANTHUS ANNUUS FIELD, SOIL SALINE WATER, SODIUM, CHLORIDE, CALCIUM YIELD, VEGETATIVE GROWTH, OIL YIELD
936. VERMA, K. S.; ABROL, I. P. EFFECT OF GYPSUM AND PYRITES ON YIELD AND CHEMICAL COMPOSITION OF RICE AND WHEAT GROWN IN A HIGHLY SODIC SOIL. INDIAN J. AGR. SCI. 50: 935-942. 1980. RICE; WHEAT GRAMINEAE: ORYZA SATIVA, TRITICUM AESTIVUM FIELD PLOT, SOIL SODIC SOIL, GYPSUM, CALCIUM, SULFATE, PYRITE STRAW YIELD, GRAIN YIELD, EXCHANGEABLE SODIUM PERCENTAGE, MINERAL COMPOSITION
937. VERMA, R. S.; SINGH, D. CRITICAL LIMIT OF WHEAT TOLRANCE AND NUTRIENT AVAILABILITY UNDER DIFFERENT DEGREES OF SALINITY AND ALKALINITY STATUS. FOOD FARMING AGRIC. 7: 25-27. 1976. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL ALKALINE WATER, SALINE WATER GERMINATION, TILLERING, GRAIN YIELD, HEIGHT, VEGETATIVE GROWTH, STRAW YIELD
938. VERMA, S. K.; POONIA, S. R. RELATIVE PERFORMANCE OF HYBRID NO. 1 AND HYBRID NO. 3 CULTIVARS OF BAJRA UNDER SALINE CONDITIONS, GERMINATION AND EARLY SEEDLING GROWTH. INDIAN J. AGRIC. RES. 11:238-240. 1977. MILLET, PEARL GRAMINEAE: PENNISETUM AMERICANUM GERMINATION DISHES SODIUM, CALCIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, ROOT GROWTH
939. VERMA, U. K. SALINE IRRIGATION OF WHEAT AT VARIOUS GROWTH STAGES. J. SCIENT. RES. BANARAS HINDU UNIV. 21: 171-174. 1971. WHEAT GRAMINEAE: TRITICUM AESTIVUM FIELD PLOT, SOIL SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, YIELD
940. VINSON, A. E.; CATLIN, C. N. RESISTANCE OF CROPS TO ALKALI. ARIZONA STA. RPT. 1918: 342-345. 1918. COTTON; SORGHUM; BARLEY; ASPARAGUS; FETERITA; MILO; ALFALFA GRAMINEAE: SORGHUM BICOLOR, HORDEUM VULGARE; LILIACEAE: ASPARAGUS OFFICINALIS; LEGUMINOSAE: MEDICAGO SATIVA; MALVACEAE: GOSSYPIUM FIELD ALKALI SOIL VEGETATIVE GROWTH
941. VLAMIS, J.; ULRICH, A. BORON TOLERANCE OF SUGAR BEETS IN RELATION TO THE GROWTH AND BORON CONTENT OF TISSUES. J. AM. SOC. SUGAR BEET TECHNOL. 17: 280-288. 1973. BEET, SUGAR CHENOPODIACEAE: BETA VULGARIS WATER CULTURE BORON TOP GROWTH, ROOT GROWTH, LEAF INJURY, BORON UPTAKE
942. VOICA, C. L'INFLUENCE DU B SUR LES PLANTES DE TABAC VARIETE BARAGAN 226. EFFECT OF BORON ON PLANTS OF TOBACCO CV BARAGAN 226. (FRE). REV. ROUM. BIOL., SER. BOT 16: 63-71. 1971. TOBACCO SOLANACEAE: NICOTIANA TABACUM POT, SAND BORON CATALASE, CHLOROPHYLL, RESPIRATION, VEGETATIVE GROWTH, PHOTOSYNTHESIS
943. VORA, A. B.; PATEL, M. K. EFFECTS OF VARIOUS OSMOTICA ON SEEDLING GROWTH OF OAT. INDIAN J. PLANT PHYSIOL. 20: 44-49. 1977. OATS GRAMINEAE: AVENA SATIVA GERMINATION DISH SODIUM, CHLORIDE, MANNITOL, POLYETHYLENE GLYCOL, SUCROSE ROOT GROWTH, SEEDLING GROWTH
944. WAGENET, R. J.; CAMPBELL, W. F.; BAMATRAF, A. M.; TURNER, D. L. SALINITY, IRRIGATION FREQUENCY, AND FERTILIZATION

- EFFECTS ON BARLEY GROWTH. AGRON. J. 72: 969-974. 1980. BARLEY GRAMINEAE: HORDEUM VULGARE GREENHOUSE, POT SODIUM, CHLORIDE, CALCIUM HEIGHT, VEGETATIVE GROWTH, SEED WEIGHT, SHOOT GROWTH, YIELD
945. WAGHMODE, A. P.; JOSHI, G. V. EFFECT OF SODIUM CHLORIDE ON PHOTOSYNTHESIS IN A SALINE GRASS AELUROPUS LAGOPOIDES. BOT. MAR. 24: 361-364. 1981. GRASS, SALT GRAMINEAE: AELUROPUS LAGOPOIDES GREENHOUSE SODIUM, CHLORIDE PHOTOSYNTHESIS
946. WAITE, S.; HUTCHINGS, M. J. THE EFFECTS OF SOWING DENSITY, SALINITY AND SUBSTRATE UPON THE GERMINATION OF SEEDS OF PLANTAGO CORONOPUS. NEW PHYTOL. 81:341-348. 1978. PLANTAGINACEAE: PLANTAGO CORONOPUS GERMINATION DISHES SEA WATER, GERMINATION SUBSTRATE, SEED DENSITY GERMINATION
947. WALKER, M. A.; DUMBROFF, E. B. EFFECTS OF SALT STRESS ON ABSCISIC ACID AND CYTOKININ LEVELS IN TOMATO. Z. PFLANZENPHYSIOL. 101: 461-470. 1981. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM SAND, POT SODIUM, CHLORIDE OSMOTIC POTENTIAL, VEGETATIVE GROWTH, ABSCISIC ACID
948. WALKER, R. R.; DOWNTON, W. J. S. PHOTOSYNTHESIS IN SALT STRESSED WOODY PERENNIALS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 549-554. 1982. GRAPE; GUAVA; CITRUS VITACEAE: VITIS VINIFERA; MYRTACEAE: PSIDIUM GUAJAVA; RUTACEAE: CITRUS MEDICA SODIUM, CHLORIDE PHOTOSYNTHESIS, STOMATAL RESISTANCE, CHLORIDE UPTAKE
949. WALKER, R. R.; HAWKER, J. S.; TOROKFALVY, E. EFFECT OF NaCl ON GROWTH, ION COMPOSITION AND ASCORBIC ACID CONCENTRATIONS OF CAPSICUM FRUIT. SCIENTIA HORT. 12: 211-220. 1979. PEPPER SOLANACEAE: CAPSICUM ANNUUM GREENHOUSE, SOIL SODIUM, CHLORIDE, CALCIUM, NITRATE ASCORBIC ACID, VEGETATIVE GROWTH, MINERAL COMPOSITION, FRUIT GROWTH, NITROGEN UPTAKE
950. WALKER, R. R.; KRIEDEMANN, P. E.; MAGGS, D. H. GROWTH, LEAF PHYSIOLOGY AND FRUIT DEVELOPMENT IN SALT-STRESSED GUAVAS. AUST. J. AGRIC. RES. 30: 477-488. 1979. GUAVA MYRTACEAE: PSIDIUM GUAJAVA GREENHOUSE, POT SODIUM, CHLORIDE VEGETATIVE GROWTH, ROOT GROWTH, STEM GROWTH, PHOTOSYNTHESIS, CHLORIDE UPTAKE, TRANSPIRATION, SODIUM UPTAKE, FRUIT YIELD
951. WALKER, R. R.; TOROKFALVY, E.; STEELE SCOTT, N.; KRIEDEMANN, P. E. AN ANALYSIS OF PHOTOSYNTHETIC RESPONSE TO SALT TREATMENT IN VITIS VINIFERA. AUST. J. PLANT PHYSIOL. 8: 359-374. 1981. GRAPE VITACEAE: VITIS VINIFERA GREENHOUSE, SAND, SOIL SODIUM, CHLORIDE SHOOT GROWTH, OSMOTIC POTENTIAL, PHOTOSYNTHESIS, LEAF WATER POTENTIAL, SHOOT GROWTH, GAS EXCHANGE
952. WALLACE, A.; ROMNEY, E. M.; WOOD, R. A.; EL-GHONEMY, A. A.; BAMBERG, S. A. PARENT MATERIAL WHICH PRODUCES SALINE OUTCROPS AS A FACTOR IN DIFFERENTIAL DISTRIBUTION OF PERENNIAL PLANTS IN THE NORTHERN MOJAVE DESERT. GREAT BASIN NAT. MEM. 4: 140-145. 1980. SALINE SOIL ECOLOGY
953. WALLIHAN, E. F.; SHARPLESS, R. G.; PRINTY, W. L. CUMULATIVE TOXIC EFFECTS OF BORON, LITHIUM, AND SODIUM IN WATER USED FOR HYDROPONIC PRODUCTION OF TOMATOES. J. AM. SOC. HORTIC. SCI. 13: 14-16. 1978. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM WATER CULTURE BORON, LITHIUM, SODIUM LEAF INJURY, MINERAL COMPOSITION

954. WALSH, J. F.; SKUJINS, J. DROUGHT EFFECTS ON THE N₂ FIXING (ACETYLENE REDUCING) ABILITY OF VETCH AND SWEETCLOVER GROWING UNDER SALINE CONDITIONS. AGRON. J. 73: 756-758. 1980. VETCH, HAIRY; CLOVER, YELLOW SWEET LEGUMINOSAE: VICIA VILLOSA, MELILOTUS OFFICINALIS GREENHOUSE, POT, SOIL SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, WATER STRESS, ETHYLENE
955. WAMBIJI, H.; EL-SWAIFY, S. A.; BARTHOLOMEW, D. P. EFFECTS OF SOIL SALINITY STATUS ON PINEAPPLE. II. CHEMICAL COMPOSITION HAWAII AGRIC. EXP. STATION; DEPARTMENTAL PAPER 22. 1974. PINEAPPLE BROMELIACEAE: ANANAS COMOSUS GREENHOUSE, SOIL, POT SODIUM, CHLORIDE MINERAL COMPOSITION
956. WARDLE, K.; DIXON, P. A.; SIMPKINS, I. SODIUM ACCUMULATION BY LEAVES OF CAULIFLOWER PLANTLETS AND THE EFFECT OF THE MODE OF PLANT FORMATION. ANN. BOT. 47: 653-659. 1981. CAULIFLOWER CRUCIFERAE: BRASSICA OLERACEA VAR BOTRYTIS GROWTH CHAMBER, VERMICULITE, TISSUE CULTURE SODIUM, CHLORIDE MINERAL COMPOSITION, PLANTLET FORMATION
957. WEBER, D. J. MECHANISM OF SALT TOLERANCE IN SALICORNIA PACIFICA VAR. UTAHENSIS. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 555-558. 1982. HALOPHYTE; GLASSWORT CHENOPODIACEAE: SALICORNIA UTAHENSIS FIELD, SOIL SALINE SOIL OSMOTIC POTENTIAL, ENZYME, SALT TOLERANCE
958. WEIDINGER, M. ELEKTRONENMIKROSKOPISCHE UNTERSUCHUNGEN AN INNENEPIDERMIS-ZELLEN DER ZWEIFELSCHUPPE VON ALLIUM CEPA, INSBESONDERE NACH EINWIRKUNG VERSCHIEDENER SALZE. I. MITOCHONDRIEN UND PLASTIDEN. ELECTRON MICROSCOPIC STUDIES OF EPIDERMAL CELLS FROM THE INNER SURFACE OF THE SCALE OF ALLIUM CEPA ESPECIALLY AFTER INFLUENCE BY DIFFERENT SALTS. 1. MITOCHONDRIA AND PLASTIDS. (GER; ENG SUM) MIKROSKOPIE 36: 23-32. 1980. ONION AMARYLLIDACEAE: ALLIUM CEPA SODIUM, CHLORIDE, POTASSIUM, NITRATE MITOCHONDRIA, PLASTIDS
959. WEIHE, K. VON UNTERSUCHUNGEN ZUR OKOLOGIE UND MORPHOLOGIE VON FESTUCA RUBRA L. SSP. RUBRA (TEMPERATUR UND MEERSALZWIRKUNG). STUDIES ON THE ECOLOGY AND MORPHOLOGY OF FESTUCA RUBRA L. SSP. RUBRA. (INFLUENCE OF TEMPERATURE AND SEA WATER). (GER). BEITR. BIOL. PFLANZEN 16: 239-262. 1963. FESCUE, RED GRAMINEAE: FESTUCA RUBRA GROWTH CHAMBER, GERMINATION DISHES TEMPERATURE, SEA WATER ECOLOGY, MORPHOLOGY, GERMINATION, VEGETATIVE GROWTH, CHLORIDE UPTAKE
960. WEIHE, K. VON UNTERSUCHUNGEN ZUR OKOLOGIE VON FESTUCA RUBRA L. SSP. LITORALIS (G.F.W. MEYER) AUQUIER (TEMPERATUR UND MEERSALZWIRKUNG). STUDIES ON THE ECOLOGY OF FESTUCA RUBRA L. SSP LITORALIS (G.F.W. MEYER) AUQUIER. (INFLUENCE OF TEMPERATURE AND SEA WATER). (GER; ENG SUM) BEITR. BIOL. PFLANZEN 54: 125-143. 1978. FESCUE, RED GRAMINEAE: FESTUCA RUBRA GREENHOUSE, GROWTH CHAMBER SEA WATER, TEMPERATURE VEGETATIVE GROWTH, CHLORIDE UPTAKE, ECOLOGY
961. WEIHE, K. VON UNTERSUCHUNGEN ZUR OKOLOGIE VON PUCCINELLIA MARITIMA (HUDS) PARL (TEMPERATUR UND MEERSALZWIRKUNG) STUDIES ON THE ECOLOGY OF PUCCINELLIA MARITIMA (HUDD) PARL. (INFLUENCE OF TEMPERATURE AND SEA WATER). (GER; ENG SUM). BEITR. BIOL. PFLANZEN 54: 145-163. 1978. ALKALI GRASS GRAMINEAE: PUCCINELLIA MARITIMA GREENHOUSE, GROWTH CHAMBER SEA WATER, TEMPERATURE VEGETATIVE GROWTH, CHLORIDE UPTAKE, ECOLOGY
962. WEIHE, K. VON ZUR KENNTNIS DER HOMORHIZIETENDENZEN VON AVENA SATIVA L. BEI; MEERSALZEINFLUSS. ON THE KNOWLEDGE OF THE HOMORHIC TENDENCIES OF AVENA SATIVA UNDER SEA WATER INFLUENCE. (GER; ENG SUM) Z. ACKER-PFLANZENB. 147: 100-110. 1978. OATS GRAMINEAE: AVENA SATIVA GREENHOUSE SEA WATER ROOT GROWTH, GERMINATION, RADICLE GROWTH
963. WERKHOVEN, C. H. E.; SALISBURY, P. J.; CRAM, W. H. GERMINATION AND SURVIVAL OF COLORADO SPRUCE, SCOTS PINE, CARAGANA,

- AND SIBERIAN ELM AT FOUR SALINITY AND TWO MOISTURE LEVELS. CAN. J. PLANT SCI. 46: 1-7. 1966. SPRUCE, COLORADO; PINE, SCOTS; PEA TREE; ELM, DWARF SIBERIAN PINACEAE: PICEA PUNGENS, PINUS SYLVESTRIS; LEGUMINOSAE: CARAGANA ARBORESCENS; ULMACEAE: ULMUS PUMILA GREENHOUSE, SOIL, POT SODIUM, CHLORIDE, CALCIUM, MAGNESIUM, SULFATE, MOISTURE CONTENT GERMINATION, EMERGENCE, VEGETATIVE GROWTH, HEIGHT
964. WEST, D. W. WATER USE AND SODIUM CHLORIDE UPTAKE BY APPLE TREES. I. THE EFFECT OF NON-UNIFORM DISTRIBUTION OF SODIUM CHLORIDE IN ROOT ZONE. PLANT SOIL 50: 37-49. 1978. APPLE ROSACEAE: MALUS SYLVESTRIS SOIL, SPLIT ROOT, POT SODIUM, CHLORIDE WATER UPTAKE, LEAF WATER POTENTIAL, MINERAL COMPOSITION, SODIUM UPTAKE, CHLORIDE UPTAKE
965. WEST, D. W. WATER USE AND SODIUM CHLORIDE UPTAKE BY APPLE TREES. II. THE RESPONSE TO SOIL OXYGEN DEFICIENCY PLANT SOIL 50: 51-65. 1978 APPLE ROSACEAE: MALUS SYLVESTRIS SOIL, POT, SPLIT ROOT SODIUM, CHLORIDE, WATER TABLE WATER UPTAKE, CHLORIDE UPTAKE, SODIUM UPTAKE
966. WEST, D. W.; BLACK, J. D. IRRIGATION TIMING--ITS INFLUENCE ON THE EFFECTS OF SALINITY AND WATERLOGGING STRESSES IN TOBACCO PLANTS. SOIL SCI. 125: 367-376. 1978. TOBACCO SOLANACEAE: NICOTIANA TABACUM GROWTH CHAMBER, POT WATERLOGGING, SODIUM, CHLORIDE CHLORIDE UPTAKE, SODIUM UPTAKE, POTASSIUM UPTAKE, LEAF DIFFUSION RESISTANCE
967. WEST, D. W.; MERRIGAN, I. F.; TAYLOR, J. A.; COLLINS, G. M. GROWTH OF ORNAMENTAL PLANTS IRRIGATED WITH NUTRIENT OR POLYETHYLENE GLYCOL SOLUTIONS OF DIFFERENT OSMOTIC POTENTIALS. PLANT SOIL 56: 99-111. 1980. PETUNIA; ASTER; NETTLE, PAINTED; WOOL FLOWER; SNAPDRAGON; MARIGOLD, AFRICAN SOLANACEAE: PETUNIA HYBRIDA; LABIATAE: COLEUS BLUMEI; AMARANTHACEAE: CELOSIA PYRAMIDALIS; SCROPHULARIACEAE: ANTIRRHINUM MAJUS; COMPOSITAE: TAGETES ERECTA, CALLISTEPHUS HORTENSIS SAND, POT POLYETHYLENE GLYCOL VEGETATIVE GROWTH, LEAF AREA
968. WEST, D. W.; MERRIGAN, I. F.; TAYLOR, J. A.; COLLINS, G. M. SOIL SALINITY GRADIENTS AND GROWTH OF TOMATO PLANTS UNDER DRIP IRRIGATION. SOIL SCI. 127: 281-291. 1979. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM SCORIA, DRIP IRRIGATION SODIUM, CHLORIDE ROOT GROWTH, CHLORIDE UPTAKE, SODIUM UPTAKE, VEGETATIVE GROWTH
969. WEST, D. W.; TAYLOR, J. A. THE EFFECT OF TEMPERATURE ON SALT UPTAKE BY TOMATO PLANTS WITH DIURNAL AND NOCTURNAL WATERLOGGING OF SALINIZED ROOTZONES. PLANT SOIL 56: 113-121. 1980. TOMATO SOLANACEAE: LYCOPERSICON ESCULENTUM POT, SOIL, GROWTH CHAMBER SODIUM, CHLORIDE, TEMPERATURE, DRAINAGE, IRRIGATION METHOD, WATERLOGGING SODIUM UPTAKE, CHLORIDE UPTAKE, WATER USE, TRANSPIRATION
970. WEST, D. W.; TAYLOR, J. A. GERMINATION AND GROWTH OF CULTIVARS OF TRIFOLIUM SUBTERRANEUM L. IN THE PRESENCE OF SODIUM CHLORIDE SALINITY. PLANT SOIL 62: 221-230. 1981. CLOVER, SUBTERRANEAN LEGUMINOSAE: TRIFOLIUM SUBTERRANEUM GROWTH CHAMBER, SOIL, POT SODIUM, CHLORIDE GERMINATION, SEEDLING GROWTH, OSMOTIC POTENTIAL
971. WEST, D. W.; TAYLOR, J. A. THE RESPONSE OF PHASEOLUS VULGARIS L. TO ROOTZONE ANAEROBIOSIS, WATERLOGGING AND HIGH SODIUM CHLORIDE. ANN. BOT. 46: 51-60. 1980. BEAN, KIDNEY LEGUMINOSAE: PHASEOLUS VULGARIS POT, SAND SODIUM, CHLORIDE, WATERLOGGING, AERATION SODIUM UPTAKE, CHLORIDE UPTAKE, SHOOT GROWTH, VEGETATIVE GROWTH
972. WIEDENFELD, R. P.; HOSSNER, L. R.; MC WILLIAMS, E. L. EFFECTS OF EVAPORATIVE SALTWATER COOLING TOWERS ON SALT DRIFT AND SALT DEPOSITION ON SURROUNDING SOILS. J. ENVIRON. QUAL. 7: 293-298. 1978. FIELD PLOT, COOLING TOWER CALCIUM, SODIUM, CHLORIDE, MAGNESIUM, SALT SPRAY OSMOTIC PRESSURE, WATER VAPOR DIFFUSION

973. WIENEKE, J.; LAUCHLI, A. EFFECTS OF SALT STRESS ON DISTRIBUTION OF Na^+ AND SOME OTHER CATIONS IN TWO SOYBEAN VARIETIES DIFFERING IN SALT TOLERANCE. Z. PFLANZENERNAEHR. BODENKD. 143: 55-67. 1980. SOYBEAN LEGUMINOSAE: GLYCINE MAX WATER CULTURE SODIUM, CHLORIDE SODIUM UPTAKE, MINERAL COMPOSITION
974. WIENEKE, J.; LAUCHLI, A. SHORT-TERM STUDIES ON THE UPTAKE AND TRANSPORT OF Cl^- BY SOYBEAN CULTIVARS DIFFERING IN SALT TOLERANCE. Z. PFLANZENERNAEHR. BODENKD. 142: 799-814. 1979. SOYBEAN LEGUMINOSAE: GLYCINE MAX WATER CULTURE, GROWTH CHAMBER SODIUM, CHLORIDE CHLORIDE UPTAKE, MINERAL COMPOSITION
975. WIGNARAJAH, K.; BAKER, N. R. SALT INDUCED RESPONSES OF CHLOROPLAST ACTIVITIES IN SPECIES OF DIFFERING SALT TOLERANCE. PHOTOSYNTHETIC ELECTRON TRANSPORT IN ASTER TRIPOLIUM AND PISUM SATIVUM. PHYSIOL. PLANT. 51: 387-393. 1981. ASTER; PEA COMPOSITAE: ASTER TRIPOLIUM; LEGUMINOSAE: PISUM SATIVUM GREENHOUSE, COMPOST, WATER CULTURE SODIUM, CHLORIDE CHLOROPLAST
976. WILLIAMS, J. H. WATER QUALITY CRITERIA FOR CROP IRRIGATION (CHLORIDE, BORON, AND SODIUM). ADAS QUARTERLY REVIEW NO. 7: 106-122.
977. WILSON, R. G., JR. GERMINATION AND SEEDLING DEVELOPMENT OF CANADA THISTLE (CIRSIIUM ARVENSE). WEED SCI. 27: 146-151. 1979. THISTLE, CANADA COMPOSITAE: CIRSIIUM ARVENSE GERMINATION DISHES SODIUM, CHLORIDE GERMINATION
978. WINSOR, G. W.; DAVIES, J. N.; MASSEY, D. M. SOIL SALINITY STUDIES. I. EFFECT OF CALCIUM SULPHATE ON THE CORRELATION BETWEEN PLANT GROWTH AND ELECTRICAL CONDUCTIVITY OF SOIL EXTRACTS. J. SCI. FD. AGRIC. 14: 42-48. 1963. LETTUCE COMPOSITAE: LACTUCA SATIVA GREENHOUSE, SOIL, POT CALCIUM, SULFATE VEGETATIVE GROWTH
979. WINTER, K. PHOTOSYNTHETIC AND WATER RELATIONSHIPS OF HIGH PLANTS IN A SALINE ENVIRONMENT IN: R. L. JEFFRIES, A. J. DAVY (EDS.) ECOLOGICAL PROCESSES IN COASTAL ENV. BLACKWELL SCIENTIFIC PUBLS., OXFORD : 297-320. 1978. HALOPHYTE SALINE WATER, SALINE SOIL VEGETATIVE GROWTH, SALT TOLERANCE
980. WONG, C. H.; JAGER, H. J. SALT-INDUCED VESICULATION IN MESOPHYLL CELLS OF ATRIPLEX SPECIES PLANT SCI. LETT. 12:63-68. 1978. CHENOPODIACEAE: ATRIPLEX NITENS, ATRIPLEX HALIMUS GREENHOUSE SODIUM, CHLORIDE CYTOLOGY, VESICULATION
981. WOOD, L. GROWING CROPS ON SAND DUNES? SEA FRONT 23: 228-232. 1977. TOMATO; BARLEY SOLANACEAE: LYCOPERSICON ESCULENTUM; GRAMINEAE: HORDEUM VULGARE FIELD PLOT, SAND SEA WATER GENETIC INTERACTION, HYBRIDS
982. WOODDELL, S. R. J.; MOONEY, H. A. THE EFFECT OF SEA WATER ON CARBON DIOXIDE EXCHANGE BY THE HALOPHYTE LIMONIUM CALIFORNICUM (BIOSS.) HELLER. ANN. BOT. 34: 117-121. 1970. PLUMBAGINACEAE: LIMONIUM CALIFORNICUM SAND, POT, GREENHOUSE SEA WATER RESPIRATION, PHOTOSYNTHESIS, CARBON DIOXIDE FIXATION
983. WRONA, A. F.; EPSTEIN, E. SCREENING FOR SALT TOLERANCE IN PLANTS: AN ECOLOGICAL APPROACH. BIOSALINE RESEARCH: A LOOK TO THE FUTURE. A. SAN PIETRO (ED.). PLENUM PUBL. CORP. 559-564. 1982. HALOPHYTE GRAMINEAE: DISTICHLIS SPICATA WATER CULTURE, GROWTH CHAMBER SEA WATER SALT TOLERANCE, SODIUM UPTAKE, MINERAL COMPOSITION

984. WU, L. THE POTENTIAL FOR EVOLUTION OF SALINITY TOLERANCE IN AGROSTIS STOLONIFERA L. AND AGROSTIS TENUIS SIBTH. NEW PHYTOL. 89: 471-486. 1981. BENTGRASS, CREEPING; BENTGRASS, COLONIAL GRAMINEAE: AGROSTIS STOLONIFERA, AGROSTIS TENUIS FIELD SODIUM, CHLORIDE, SEA WATER, CALCIUM SALT TOLERANCE, GERMINATION, ROOT GROWTH, SODIUM UPTAKE, CHLORIDE UPTAKE
985. WUTSCHER, H. K.; PEYNADO, A.; COOPER, W. C.; HILL, H. METHOD OF IRRIGATION AND SALT TOLERANCE OF CITRUS ROOTSTOCKS. I CONGRESS MUNDIAL DE CITRICULTURA, MURCIA, SPAIN. 1:299-306. 1974. GRAPEFRUIT RUTACEAE: CITRUS PARADISI FIELD PLOT, SOIL, GRAVEL ROOTSTOCK, SODIUM, CALCIUM, CHLORIDE, FLOOD IRRIGATION, DRIP IRRIGATION, IRRIGATION METHOD, BORON, SUBIRRIGATION CHLORIDE UPTAKE, CHLOROPHYLL, BORON UPTAKE
986. WYN JONES, R. G.; STOREY, R. SALT STRESS AND COMPARATIVE PHYSIOLOGY IN THE GRAMINEAE. II. GLYCINE BETAINES AND POLINE ACCUMULATION IN TWO SALT- AND WATER-STRESSED BARLEY CULTIVARS. AUST. J. PLANT PHYSIOL. 5: 817-829. 1978. BARLEY GRAMINEAE: HORDEUM VULGARE POTASSIUM, SODIUM PROLINE, GLYCINE BETAINES, CHOLINE
987. YAALON, D. H.; LOMAS, J. FACTORS CONTROLLING THE SUPPLY AND THE CHEMICAL COMPOSITION OF AEROSOLS IN A NEAR-SHORE AND COASTAL ENVIRONMENT. AGRIC. METEOROL. 7: 443-454. 1970. FIELD PLOT SALT SPRAY, SEA WATER WATER CONTENT
988. YADAV, J. S. P. RECLAMATION AND CROP PRODUCTION IN ALKALI SOILS. CURRENT SCIENCE 50: 387-393. 1981. RECLAMATION
989. YADAV, J. S. P. SALINE GROUND WATER AND ITS USE FOR IRRIGATION. PROC. INDIAN NATL. SCI. ACAD. 44: 205-212. 1978. WHEAT; RADISH GRAMINEAE: TRITICUM AESTIVUM; CRUCIFERAE: RAPHANUS SATIVUS POT, SOIL, FIELD PLOT, SOIL CALCIUM, MAGNESIUM, SODIUM, CHLORIDE, BICARBONATE, SULFATE, IRRIGATION METHOD GRAIN YIELD, STRAW YIELD, YIELD
990. YADAV, J. S. P. A SOSVIZONTOSZES HATASA A TALAJRA ES A NOVENYRE. EFFECT OF SALINE WATER IRRIGATION ON SOIL AND CROP GROWTH. (HUN; ENG SUM). AGROKEM. TALAJTAN. 26: 19-28. 1977. CORN; SORGHUM; WHEAT GRAMINEAE: ZEA MAYS, TRITICUM AESTIVUM, SORGHUM BICOLOR FIELD PLOT, SOIL GROWTH STAGE, SODIUM, CALCIUM, CHLORIDE, SULFATE, BICARBONATE, SOIL TYPE GRAIN YIELD, VEGETATIVE GROWTH
991. YADAV, J. S. P.; GIRDHAR, I. K. SALT TRANSLOCATION AND CROP GROWTH UNDER SPRINKLER AND SURFACE METHODS OF IRRIGATION IN SODIC SOIL. INDIAN J. AGRIC. SCI. 47: 397-400. 1977. TURNIP; BEET, SUGAR CRUCIFERAE: BRASSICA RAPA; CHENOPODIACEAE: BETA VULGARIS SOIL, FIELD SPRINKLER IRRIGATION, CARBONATE, BICARBONATE, SODIUM, IRRIGATION METHOD ROOT YIELD
992. YAMAMOTO, T.; CHO, T. STUDIES ON TRICKLE IRRIGATION METHOD IN SAND FIELD. RONBUNSHU NOGYO DOBOKU GAKKAI (TRANS. JAP. SOC. IRRIG. DRAIN REC.) 6-13. 1978. COTTON; TOMATO; MELON MALVACEAE: GOSSYPIMUM; SOLANACEAE: LYCOPERSICON ESCULENTUM; CUCURBITACEAE: CUCUMIS MELO GREENHOUSE, LYSIMETER, SAND IRRIGATION METHOD, SODIUM, CHLORIDE, CALCIUM VEGETATIVE GROWTH, FRUIT YIELD, YIELD, EVAPOTRANSPIRATION, ROOT GROWTH
993. YENSEN, N. P.; FONTES, M. R.; GLENN, E. P.; FELGER, R. S. NEW SALT TOLERANT CROPS FOR THE SONORAN DESERT. DESERT PLANTS 3: 111-118. 1982. HALOPHYTE CHENOPODIACEAE: ATRIPLEX LENTIFORMIS, SALICORNIA EUROPAEA WATER CULTURE, GREENHOUSE, SAND SEA WATER SALT TOLERANCE
994. YEO, A. R. SALT TOLERANCE IN THE HALOPHYTE SUAEDA MARITIMA L. DUM.: INTRACELLULAR COMPARTMENTATION OF IONS. J. EXP.

- BOT. 32: 487-497. 1981. CHENOPODIACEAE: SUAEDA MARITIMA WATER CULTURE SODIUM, CHLORIDE, POTASSIUM ION UPTAKE, ION EXCHANGE RATE
995. YEO, A. R.; FLOWERS, T. J. SALT TOLERANCE IN THE HALOPHYTE SUAEDA MARITIMA - EVALUATION OF THE EFFECT OF SALINITY UPON GROWTH. J. EXP. BOT. 31: 1171-1183. 1980. HALOPHYTE CHENOPODIACEAE: SUAEDA MARITIMA SAND, SOIL, GROWTH CHAMBER SODIUM, CHLORIDE VEGETATIVE GROWTH, LEAF FREQUENCY
996. YEO, A. R.; KRAMER, D.; LAUCHLI, A. ION DISTRIBUTION IN SALT-STRESSED MATURE ZEA MAYS ROOTS IN RELATION TO ULTRASTRUCTURE AND RETENTION OF SODIUM. J. EXP. BOT. 28: 1-29. 1977. CORN GRAMINEAE: ZEA MAYS WATER CULTURE, POT SODIUM, CHLORIDE, SULFATE ROOT GROWTH, SHOOT GROWTH, SODIUM UPTAKE, HISTOLOGY
997. ZAHARAN, M. A.; EL-BAGOURY, I. H.; WAHID, A. A. A.; EL-DEMERDASH, M. A. TRANSPLANTATION OF JUNCUS SPP. ON SALINE SOILS IN EGYPT. IN MANAGING SALINE WATER FOR IRRIGATION, PROC. INTER. SALINITY CONF., TEXAS TECH UNIV. AUGUST 1976:142-154. RUSH JUNCACEAE: JUNCUS RIGIDUS, JUNCUS ACUTUS FIELD PLOT, SOIL SALINE WATER VEGETATIVE GROWTH
998. ZANATI, M.; HYATEMY, Y.; ABDEL-DAYEM, S. WHEAT GROWTH AND CONSTITUENTS AS AFFECTED BY NITROGEN APPLICATION AND SOIL ALKALINITY. ACTA AGRON. 27: 68-72. 1978. WHEAT GRAMINEAE: TRITICUM AESTIVUM POT, SOIL NITROGEN, SODIUM, CARBONATE STRAW YIELD, MINERAL COMPOSITION
999. ZARROUK, M.; CHERIF, A. EFFECT OF SODIUM CHLORIDE ON LIPID CONTENT OF OLIVE-TREE (OLEA EUROPAEA L.). Z. PFLANZEN. 105: 85-92. 1981. OLIVE OLEACEAE: OLEA EUROPAEA POT SODIUM, CHLORIDE LIPID, SODIUM UPTAKE
1000. ZID, E.; BOUKHRIS, M. QUELQUES ASPECTS DE LA TOLERANCE DE L' ATRIPLEX HALIMUS L. AU CHLORURE DE SODIUM, MULTIPLICATION, CROISSANCE. COMPOSITION MINERALE. SOME ASPECTS OF THE TOLERANCE OF ATRIPLEX HALIMUS L. TO SODIUM CHLORIDE. MULTIPLICATION, GROWTH AND MINERAL COMPOSITION (FRE; ENG SUM). ECOL. PLANT 12:351-362. 1977 CHENOPODIACEAE: ATRIPLEX HALIMUS GERMINATION DISHES, WATER CULTURE SODIUM, CHLORIDE GERMINATION, VEGETATIVE GROWTH, MINERAL COMPOSITION
1001. ZOHAR, Y.; WAISEL, Y.; KARSCHON, R. EFFECTS OF LIGHT, TEMPERATURE, AND OSMOTIC STRESS ON SEED GERMINATION OF EUCALYPTUS OCCIDENTALIS ENDL. AUST. J. BOT. 23: 391-397. 1975. YATE, FLAT-TOPPED MYRTACEAE: EUCALYPTUS OCCIDENTALIS GROWTH CHAMBER, POT LIGHT, TEMPERATURE GERMINATION





M A S T E R I N D E X

ABELIA, GLOSSY
273
ADLER, WHITE
779
ALEMOW
146, 322
ALFALFA
36, 130, 174, 175, 268, 341, 389, 391, 393, 582, 739, 740, 744, 765, 771, 841, 865, 875, 940
ALGARROBA
247
ALKALI GRASS
180, 393, 933, 961
ALKALI GRASS, NUTTALL
318
ALKALI SACATON
574
APPLE
290, 291, 391, 399, 964, 965
ARBORVITAE, AMERICAN
261, 262, 492
ARBORVITAE, ORIENTAL
564
ASH, EUROPEAN
127, 779
ASH, GREEN
564
ASH, WHITE
267
ASPARAGUS
593, 668, 940
ASPEN, QUAKING
905
ASTER
967, 975
ATRIPLEX
302, 303
AVARAM
179
AVOCADO
202, 661, 731
AZALEA
106, 229
BANANA
932
BARLEY
2, 24, 41, 50, 62, 101, 114, 115, 119, 121, 135, 154, 156, 183, 223-225, 231, 232, 265, 301, 342, 363, 372, 379,
386, 391, 406, 408, 417, 419, 441, 447, 449, 454, 466, 486, 501, 502, 516, 548, 563, 583, 596, 598, 622, 623,
631, 638, 672, 699, 702, 726, 732, 753, 771, 784, 805, 829, 830, 836, 858, 870, 877-879, 907, 915, 940, 944,
981, 986

BARLEY, SQUIRREL TAIL
638
BARLEY, WILD
593
BEAN
353, 369, 448, 507, 513, 582, 586, 653, 735, 740, 861-863, 877
BEAN, BROAD
58, 215, 219, 335, 362, 454, 563, 690-692, 815, 915
BEAN, BUSH
418, 724, 725
BEAN, CASTOR
28, 30, 226, 360, 361, 589
BEAN, FRENCH
686
BEAN, HYACINTH
292, 834
BEAN, KIDNEY
31, 107, 278, 339, 354, 494, 652, 673, 843, 971
BEAN, MUNG
18, 66, 285, 521, 642, 712, 809-813
BEAN, PINTO
373, 893
BEAN, RED KIDNEY
276
BEARS-BREECH
593
BEEFWOOD
340
BEET
25, 257, 375, 391, 843
BEET, RED
132, 593
BEET, SUGAR
16, 27, 366, 392, 507, 536, 539, 540, 567, 593, 630, 724, 725, 781, 877, 899, 902, 904, 941, 991
BEET, SUGAR
524
BEGONIAS, WINTER-FLOWERING
227
BENTGRASS
318
BENTGRASS, COLONIAL
294, 984
BENTGRASS, CREEPING
21-23, 356, 371, 933, 984
BERMUDA GRASS
331, 476-478, 897, 930
BLUEBUSH
844
BLUEGRASS
845
BLUEGRASS, KENTUCKY
294, 318, 491

BLUESTEM
566
BOX ELDER
892
BRISTLE GRASS
238, 476, 478
BROCCOLI
176
BROMEGRASS
465, 515
BROOMCORN
503
BUCKEYE
277
BUCKTHORN, COMMON
892
BULRUSH, RIVER
561
BUNCH GRASS
478
BUTTERFLY-BUSH
407
CABBAGE
136, 176, 346, 740, 824
CABBAGE, CHINESE
819
CABBAGE, WILD
356
CAJAN
66, 710, 715
CANARY GRASS
556
CANARY GRASS, REED
569
CARNATION
396, 550
CARPETWEED
430
CARROT
176, 306, 347, 740, 912
CARROT, WILD
635
CASSAVA
258, 394, 395
CATALPA, WESTERN
127
CAULIFLOWER
176, 423, 429, 899, 956
CEDAR, EASTERN WHITE
260
CEDAR, INCENSE
778

CEDAR, WHITE
378
CELERY
46, 429, 593
CHAMOMILE
217
CHARD
593
CHERRY
391
CHERRY, BLACK
127
CHERRY, BRUSH
273
CHESS, SOFT
86
CHESTNUT, HORSE
277, 749
CHICORY
708
CHRYSANTHEMUM
300, 519
CITRANGE
149, 322
CITRANGE, TROYER
146
CITRON
189
CITRUS
137, 152, 427, 530, 665, 948
CLOVER
391
CLOVER, BUR
879
CLOVER, EGYPTIAN
848
CLOVER, LADINO
393, 491
CLOVER, PERSIAN
356
CLOVER, RED
198, 356, 491
CLOVER, SUBTERRANEAN
970
CLOVER, WHITE
356, 708, 765
CLOVER, WHITE SWEET
162, 708
CLOVER, YELLOW SWEET
162, 708, 954
COCONUT
606

COFFEE TREE
308
COPPER-LEAF
407
CORDGRASS
140, 337, 413, 483, 509, 510, 514, 523, 617
CORDGRASS, SMOOTH
592, 840
CORIANDER
183
CORN
1, 17, 27, 29, 62, 100, 131, 210, 216, 243, 275, 285, 342, 345, 354, 356, 357, 369, 372, 391, 420, 424, 438,
448, 452, 456, 458, 488, 507, 521, 532, 568, 581, 594-596, 671, 683, 697, 701, 705, 721, 763, 764, 771, 817,
819, 821, 864, 874, 899, 931, 990, 996
COTTON
5, 25, 27, 44, 52, 53, 118, 121, 133, 170, 222, 279, 281, 282, 333, 342, 388, 405, 412, 455, 498, 513, 582, 593,
660, 693, 771, 814, 815, 846, 896, 940, 992
COTTONEASTER, PYRENEES
273
COTTONTOP, ARIZONA
238
COWPEA
31, 251, 889
CRANBERRY BUSH
255
CRESS
507
CRESS, GARDEN
581
CUCUMBER
136, 229, 334, 819, 853, 901
CYCLAMEN
105
CYPRESS, LEYLAND
111
DHAINCHA
8
DOGWOOD, FLOWERING
267, 906
DROPSEED
124, 238
EGG PLANT
852
ELDER, MARSH
890
ELM, DWARF SIBERIAN
963
ELM, SIBERIAN
564
EUCALYPTUS
741
FESCUE
169

FESCUE, CHEWINGS
318
FESCUE, KENTUCKY
387
FESCUE, MEADOW
198, 491
FESCUE, RED
171, 294, 318, 747, 933, 959, 960
FESCUE, REED
515, 708
FESCUE, TALL
318, 341, 393, 569, 596
FETERITA
940
FIR, WHITE
778
FLAX
28, 30, 183, 265, 360, 361, 379
FLAX, NEW ZEALAND
593
FLEABANE, MARSH
890
FOREST RED GUM
769
FROST FLOWER
169
GALLETA
574
GLASSWORT
413, 432, 483, 523, 890, 920, 957
GOLDENROD, EARLY
677
GOLDENROD, SEASIDE
139, 890
GOOSEBERRY, ENGLISH
779
GOOSEFOOT
439
GRAM
183, 858
GRAM, BLACK
8, 66, 642, 738
GRAMA, BLUE
574
GRAMA, RED
238
GRAPE
37, 79, 122, 123, 201, 203-207, 271, 391, 428, 462, 618, 646, 678, 924, 948, 951
GRAPEFRUIT
103, 508, 664, 674, 985
GRASS
451, 453, 525, 822, 823

GRASS, ARROW
169
GRASS, DITCH
581
GRASS, MARSH
654
GRASS, NAPIER
218
GRASS, ORCHARD
356
GRASS, SALT
945
GRASSES
184, 709
GROUND COVER
81, 269, 425
GROUNDSEL
126
GROUNDSELBUSH
890
GUAR
20, 292, 710, 926
GUAVA
948, 950
GUAYULE
575
GUINEA GRASS
476-478
GUM, MURRAY RED
340
GUM, SWEET
270
GUM-ARABIC
769, 900
HALOPHYTE
141, 302, 303, 413, 415, 562, 581, 616, 851, 919, 957, 979, 983, 993, 995
HARDING GRASS
879
HAWTHORN, ENGLISH
779
HAWTHORN, INDIAN
273
HENBANE
589
HIBISCUS
407
HOLLY, OREGON GRAPE
273
HONEYSUCKLE, FLY
779
HONEYSUCKLE, FRENCH
847

ICEPLANT, CROCEUM
273
ICEPLANT, PURPLE
273
ICEPLANT, ROSEA
273
ICEPLANT, WHITE
273
JERUSALEM-THORN
74, 900
JOJOBA
10, 888
JUJUBE
74
JUTE
458
KALLAR GRASS
59, 457, 766
KARUM TREE
900
KIAWE
247
KOCHIA
786, 806
KOHLRABI
176
LARCH, SIBERIAN
138
LAVENDER, SEA
414, 890
LEBBECK-TREE
74
LEEK
429
LEGUMES
709
LEMANDARIN
427
LEMON
151, 189, 365, 427, 664, 722
LEMON, ROUGH
3, 742
LENTIL
8, 409, 605, 858
LETTUCE
176, 229, 334, 364, 376, 793, 899, 978
LILY
116
LILY, TRUMPET
538
LIME, RANGPUR
228

LINDEN, EUROPEAN
749
LINDEN, SMALL-LEAVED EUROPEAN
39, 40
LINSEED
858
LOCUST, BLACK
74, 564
LOCUST, HONEY
906
LOVEGRASS, WEeping
504
LUPINE, YELLOW
871
MAGNOLIA, SOUTHERN
270
MALLOW, TREE
633, 635
MANDARIN
137
MANDARIN, CLEOPATRA
3, 146
MANDARIN, KINNOW
146, 322
MANGO
421, 422, 535, 647
MANGROVE
369, 576, 891
MANGROVE, AMERICAN
576
MANNAGRASS
465
MAPLE
387
MAPLE, HEDGE
779
MAPLE, NORWAY
83, 779
MAPLE, RED
197
MAPLE, SILVER
127, 892
MARIGOLD, AFRICAN
967
MARSH GRASS
591, 655
MATRIMONY VINE
779
MEDIC
736
MEDIC, BARREL
879

MELON 992
MESQUITE 247, 900
MILFOIL 581
MILLET 243, 301, 391, 465
MILLET, AFRICAN 689, 934
MILLET, AUSTRALIAN CHANNEL 799
MILLET, FINGER 689
MILLET, PEARL 8, 165, 212, 292, 329, 358, 382, 404, 476-478, 642, 651, 684, 777, 835, 938
MILLET, PROSO 915
MILO 940
MINT 199
MORNING-GLOXY 407
MUSKMELON 559, 626, 627, 629, 659, 798, 883
MUSTARD 9, 53, 183, 265, 379, 609, 698, 700, 872, 884
MUSTARD, BROWN 832
MUSTARD, FIELD 648, 649
MUSTARD, LEAF 699
MYRTLE, CRAPE 270
NANSHODAIIDAI 146
NAPIER GRASS 68, 476-478
NATIVE VEGETATION 310
NETTLE, PAINTED 967
OAK, PIN 906
OAT 119
OATS 114, 115, 164, 265, 341, 379, 391, 423, 447, 596, 805, 907, 943, 962
OKRA 12, 35, 534

OLEANDER
92, 336, 338, 407, 615
OLEASTER
779
OLIVE
241, 999
ONION
176, 292, 370, 375, 429, 740, 780, 958
ORACH
344, 806
ORACH, SEA
691, 692
ORANGE
272, 305, 427, 512, 664
ORANGE, MANDARIN
149, 322, 367, 577, 742
ORANGE, POORMAN
3, 742
ORANGE, SOUR
3, 137, 146, 149, 322, 367, 742
ORANGE, SWEET
443, 469, 696
ORANGE, TRIFOLIATE
577
ORCHARD GRASS
393, 565
ORCHID TREE
270
ORNAMENTALS
81
OSIER
211
PAGODA TREE, JAPANESE
906
PALM
425
PALM, CANARY ISLAND
593
PALM, CHINESE FAN
551
PALM, EUROPEAN FAN
273
PANGOLA GRASS
181
PANIC GRASS, BLUE
927
PANIC GRASS, GIANT
928, 929
PAPAYA
560, 819, 932
PAPERBARK, SWAMP
487

PAPPUSGRASS, PINK
238

PAPRIKA
334

PARA-GRASS
479

PEA
75, 147, 157, 183, 285-288, 350-352, 391, 454, 468, 581, 679, 680, 705, 760, 815, 829, 830, 858, 894, 903, 975

PEA TREE
963

PEA, CHICK
8, 66, 335, 500, 533, 831

PEA, PIGEON
332, 714, 715

PEACH
400, 401, 612

PEANUT
112, 158-160, 191, 209, 311, 312, 323, 445, 527-529, 707, 711, 713, 716, 718, 719, 755, 770, 774, 857, 935

PEAR
391

PEAR, EVERGREEN
270

PEPPER
136, 148, 195, 220, 316, 507, 852, 949

PEPPER, BELL
370, 377, 517, 614

PETUNIA
967

PHOTINIA
273

PINE, ALEPPO
273, 506

PINE, AUSTRIAN
84, 255

PINE, EASTERN WHITE
84, 378

PINE, ELDER
42

PINE, ITALIAN STONE
270, 496

PINE, JAPANESE BLACK
273, 586

PINE, JEFFREY
778

PINE, JERSEY
267

PINE, LODGEPOLE
778

PINE, MONTEREY
263, 687, 767

PINE, NORFOLK ISLAND
200, 319, 320, 909

PINE, PONDEROSA
88, 89, 778
PINE, SCOTS
963
PINE, SUGAR
778
PINE, WHITE
586, 906
PINEAPPLE
274, 955
PISTACHIO
789
PLANE TREE, LONDON
749
PLANTAIN
110, 169, 234, 490
PLANTAIN, ARROWGRASS
414
PLUM
612
PLUM, CHERRY
270, 895
PLUM, WILD-GOOSE
895
POMEGRANATE
593
POTATO
26, 27, 117, 307, 391, 644, 915
POTATO, SWEET
858
PRIVET
779
PRIVET, CALIFORNIA
267
PURSLANE
433, 452
QUACK GRASS
180, 318, 933
RADISH
176, 321, 359, 375, 429, 989
RAPE
356, 379, 465, 737
REED, DITCH
890
RHODES GRASS
243, 708, 818, 927
RHODODENDRON
295, 296
RICE
4, 8, 15, 34, 45, 48, 49, 60, 69-71, 76, 78, 85, 96-99, 119, 174, 185, 196, 248, 254, 299, 324, 329, 390, 391,
411, 449, 473, 489, 545, 549, 578, 579, 639, 641, 650, 657, 663, 666, 682, 688, 695, 748, 757, 776, 790, 801,
808, 816, 825, 833, 837, 880-882, 911, 936

RICE, WILD
785
RICEGRASS
879
ROCKET
758
ROSE
384, 779
RUBBER PLANT
537
RUSH
169, 997
RYE
119, 264, 265, 391, 771, 820
RYEGRASS
556
RYEGRASS, ITALIAN
198, 356, 565
RYEGRASS, PERENNIAL
93, 294, 491, 842, 933
SAFFLOWER
29, 183, 190, 244, 314, 359, 507, 520, 699, 700, 772, 773, 775
SAGE, TEXAS
273
SAKSAUL
786
SALLOW THORN
779
SALT GRASS
655
SALT MARSH GRASS
890
SALT MEADOW GRASS
890
SALTBRUSH
32
SALTBRUSH, FOURWING
574
SALTBUSH
180, 554, 690, 692
SALTBUSH, CUNEATA
733
SALTBUSH, FOUR-WING
734
SALTBUSH, FOURWING
733
SALTGRASS
483
SALTGRASS, MEDITERRANEAN
681
SALTGRASS, SEASHORE
840

SALTWORT
483
SAMPHIRE
169, 494, 552, 635, 690, 920, 921
SAND-SPURREY
180
SEA BLITE
193, 252
SEA ORACH
690
SEA-MILKWORT
315, 746
SENNA
179
SENNA, COFFEE
179
SESAME
142, 613, 614, 714
SESBANIA
683, 759
SHRUB
81, 113, 242, 259, 269, 425, 709
SICKLEPOD
179
SIGNAL GRASS
476-478
SNAPDRAGON
967
SNOWBERRY
779
SORGHUM
53, 196, 210, 216, 243, 284, 301, 376, 437, 582, 611, 632, 642, 694, 717, 729, 756, 876, 940, 990
SOYBEAN
90, 109, 210, 244, 316, 475, 499, 521, 543, 594-596, 599, 624, 625, 724, 725, 838, 856, 910, 973, 974
SPIKE GRASS
413, 890
SPINACH
136, 172, 220, 429, 572, 806
SPINACH, NEW ZEALAND
593
SPRUCE
239
SPRUCE, COLORADO
963
SPRUCE, NORWAY
267
SPRUCE, WHITE
492
SPURRY, SAND
635, 637
SQUASH
176

STARWORT
465
STRAWBERRY
355, 391
STRAWBERRY TREE, COMPACT
273
SUBCLOVER
765
SUDAN GRASS
224, 243, 301, 662, 771
SUGARCANE
43, 80, 235, 256, 289, 434, 570, 619, 620, 669, 898
SUNFLOWER
28, 30, 44, 51, 63, 163, 228, 293, 359-361, 379, 391, 493, 494, 507, 520, 521, 526, 582, 640, 670, 699, 839,
934, 935
SWEET CCRN
662
SYCAMORE, EASTERN
906
TAMARUGO
247
TAPIOCA
258
THISTLE, CANADA
977
THORN APPLE, DOWNY
913
THOROUGHWAX
675
THRIFT
169
TIMOTHY
842
TOBACCO
65, 73, 161, 173, 195, 266, 292, 330, 348, 368, 380, 381, 391, 397, 442, 467, 541, 596, 602-604, 916, 942, 966
TOBACCO, ORIENTAL
585
TOMATO
11, 32, 50, 61, 121, 142-145, 150, 167, 187, 213, 220, 229, 231, 232, 237, 316, 334, 391, 423, 438, 446, 450,
531, 544, 593, 628, 660, 662, 704, 751-754, 758, 761, 762, 824, 885-887, 893, 947, 953, 968, 969, 981, 992
TOMATO, CHERRY
593
TREE
81, 113, 168, 188, 208, 269, 425, 472, 709
TREE, SHRUB, GROUNDCOVER, VINE
82
TREE-OF-HEAVEN
127
TRIDENTS, WHITE
238
TULIP TREE
267, 270

TURNIP

571, 572, 597, 991

VEGETABLES

184

VETCH, HAIRY

954

VINE

81, 425

WATERMELON

824

WAYFARING TREE

779

WEeping LOVE GRASS

708

WEeping WATTLE

807

WHEAT

6, 8, 13, 27, 33, 44, 47, 50, 53-57, 91, 102, 114, 115, 119, 142, 143, 155-157, 182, 183, 192, 194, 210, 221, 223, 224, 231, 232, 240, 245, 264, 265, 280-283, 301, 313, 325, 327, 329, 341, 359, 372, 376, 379, 391, 402, 404, 410, 420, 423, 435, 437, 447, 458-461, 463, 464, 470, 471, 480-482, 484-486, 505, 511, 522, 547, 557, 558, 573, 579, 580, 583, 596, 600, 601, 607, 610, 643, 645, 658, 667, 684, 685, 699, 702, 720, 727-730, 732, 740, 750, 753, 771, 784, 787, 788, 791, 800, 802, 803, 805, 824, 826-830, 854, 855, 858, 879, 899, 908, 914, 915, 936, 937, 939, 989, 990, 998

WHEATGRASS

515, 553, 708

WHEATGRASS, CRESTED

393

WHEATGRASS, SLENDER

387, 677, 783

WHEATGRASS, TALL

214, 249, 341, 515, 569, 587, 588, 590, 708, 796

WHEATGRASS, THICKSPIKE

590

WHEATGRASS, WESTERN

590

WILLOW

211

WILLOW, WHITE

211

WOMAN'S-TONGUE TREE

900

WOOL FLOWER

967

YATE, FLAT-TOPPED

398, 1001

YELLOW PALM

537

YELLOW-BELLS

407

YEW

295, 297, 298

YEW, SHRUBBY JAPANESE

273

YUCA

258

ZOSTERA

676



M A S T E R I N D E X

ABELIA GRANDIFLORA
273
ABELMOSCHUS ESCULENTUS
534
ABIES CONCOLOR
778
ABRONIA LATIFOLIA
77
ABRONIA MARITIMA
186
ACACIA ARABICA
74
ACACIA NILOTICA
769, 900
ACACIA SALIGNA
807
ACACIA TORTILIS
900
ACALYPHA MACROPHYLLA
407
ACANTHUS MOLLIS
593
ACER
387
ACER CAMPESTRE
779
ACER PLATANOIDES
83, 779
ACER RUBRUM
197
ACER SACCHARINUM
127, 892
ACROPYRON REPENS
180
AELUROPUS LAGOPOIDES
945
AELUROPUS LITTORALIS
681
AESCULUS HIPPOCASTANUM
277, 749
AGAVE FOURCROYDES
120
AGAVE SISALANA
120
AGOSERIS APARGIOIDES SSP MARITIMA
77
AGROPYRON
553
AGROPYRON DASYSTACHYU
590

AGROPYRON DESERTORUM
393
AGROPYRON ELONGATUM
214, 249, 341, 569, 587, 588, 590, 708, 796
AGROPYRON ELONGATUM GE
515
AGROPYRON REPENS
318, 933
AGROPYRON SCABRIFOLIUM
515, 708
AGROPYRON SMITHI
922
AGROPYRON SMITHII
590
AGROPYRON TRACHYCAULUM
387, 677, 783
AGROPYRUM JUNCEUM
120
AGROSTIS PALUSTRI
318
AGROSTIS STOLONIFERA
21-23, 356, 371, 933, 984
AGROSTIS TENUIS
294, 984
AILANTHUS ALTISSIMA
127
ALBIZIA LEBBECK
74, 900
ALLIUM CEPA
176, 292, 370, 375, 429, 740, 780, 958
ALLIUM PORRUM
429
ALNUS INCAN
779
AMMOPHILA ARENARIA
120
ANANAS COMOSUS
274, 955
ANTIRRHINUM MAJUS
967
APIUM GRAVEOLENS
46, 593
APIUM GRAVEOLENS VAR RAPACEUM
429
ARACHIS HYPOGAEA
112, 158-160, 191, 209, 311, 312, 323, 445, 527-529, 707, 711, 713, 716, 718, 719, 755, 770, 774, 857, 935
ARAUCARIA HETEROPHYLLA
200, 319, 320, 909
ARBUTUS UNEDO
273
ARMERIA MARITIMA
169

ASPARAGUS OFFICINALIS
593, 668, 940
ASTER KORAIENSIS
465
ASTER TRIPOLIUM
38, 169, 304, 975
ATRIPLEX
302, 303
ATRIPLEX CALIFORNICA
186
ATRIPLEX CALOTHECA
690, 692
ATRIPLEX CANA
806
ATRIPLEX CANESCENS
574, 733, 734
ATRIPLEX CUNEATA
733
ATRIPLEX HALIMUS
690-692, 980, 1000
ATRIPLEX HASTATA
180, 822
ATRIPLEX HASTATA VAR SALINA
823
ATRIPLEX HORTENSIS
806
ATRIPLEX HORTENSIS CV CUPREATA
344
ATRIPLEX LENTIFORMIS
993
ATRIPLEX LEUCOPHYLLA
77, 186
ATRIPLEX LITTORALIS
104
ATRIPLEX NITENS
690-692, 980
ATRIPLEX NUMMULARIA
32, 804
ATRIPLEX PATULA SSP HASTATA
513
ATRIPLEX TRIANGULARIS
554
ATRIPLEX UNDULATA
843
ATRIPLEX VESICARIA
804
ATRIPLX CALOTHECA
691
AVENA
907
AVENA SATIVA
114, 115, 119, 164, 265, 341, 379, 391, 423, 447, 596, 805, 943, 962

AVICENNIA MARINA
369
AVICENNIA NITIDA
576
AZALEA INDICA
106
BACCHARIS HALIMIFOLIA
890
Batis MARITIMA
303, 483
BAUHINIA PURPUREA
270
BEGONIA X HIEMALIS
227
BETA MARITIMA
593
BETA VULGARI
724, 725
BETA VULGARIS
16, 25, 27, 132, 257, 366, 375, 391, 392, 507, 524, 536, 539, 540, 567, 593, 630, 781, 843, 877, 899, 902, 904,
941, 991
BETA VULGARIS VAR CICLA
593
BOLBOSCHOENUS MARITIMUS
38
BORRICHIA FRUTESCENS
141
BOUGAINVILLEA
407
BOUTELOUA GRACILIS
574
BOUTELOUA TRIFIDA
238
BRACHIARIA MUTICA
476-479
BRASSICA
183, 379, 872, 884
BRASSICA CAMPESTRIS
53, 265, 648
BRASSICA JUNCEA
699
BRASSICA JUNCEA
9, 53, 609, 698, 700, 832
BRASSICA NAPUS
356, 379, 465, 737
BRASSICA OLERACEA
356, 423
BRASSICA OLERACEA VAR BOTRYTIS
176, 429, 899, 956
BRASSICA OLERACEA VAR CAPITATA
136, 176, 346, 740, 824
BRASSICA OLERACEA VAR CAULORAPA
176

BRASSICA OLERACEA VAR ITALICA
176
BRASSICA PEKINENSIS
819
BRASSICA RAPA
571, 572, 597, 649, 991
BROMUS JAPONICUS
465
BROMUS MOLLIS
86
BROMUS PARODII
515
BUDDERIA MADAGASCARIENSIS
407
BUPLEURUM TENUISSIMUM
675
CAJANUS CAJAN
66, 332, 710, 715
CAJANUS INDICUS
714
CAKILE MARITIMA
77
CALLISTEPHUS HORTENSIS
967
CALOCEDRUS DECURREN
778
CALOTROPIS PROCERA
120
CAMISSONIA CHEIRANTHIFOLIA
77
CAMPHOROSMA LESSING
786
CAPSICUM ANNUUM
136, 148, 195, 316, 334, 370, 377, 517, 614, 852, 949
CAPSICUM FRUTESCENS
220
CARAGANA ARBORESCENS
963
CARICA PAPAYA
560, 819, 932
CARTHAMUS TINCTORIUS
29, 183, 190, 244, 314, 359, 507, 520, 699, 700, 772, 773, 775
CASSIA ANGUSTIFOLIA
179
CASSIA AURICULATAGE
179
CASSIA ITALICA
179
CASSIA OBTUSIFOLIA
179
CASSIA OCCIDENTALIS
179

CASSIA PUMILA
179
CASSIA TORA
179
CASUARINA GLAUCA
340
CATALPA SPECIOSA
127
CELOSIA PYRAMIDALIS
967
CENCHRUS CILIARIS
478
CESTRUM ALBUM
407
CHAMAECYPARIS THYOIDES
378
CHAMAEROPS HUMILIS
273
CHENOPODIUM CHENOPODIOIDES
823
CHENOPODIUM GLAUCUM
38
CHENOPODIUM RUBRUM
822, 823
CHLORIS GAYANA
243, 708, 818, 927
CHRYSALIDOCARPUS LUTESCENS
537
CHRYSANTHEMUM
300
CHRYSANTHEMUM MORIFOLIUM
519
CICER ARIETINUM
8, 66, 183, 335, 500, 533, 831
CICHORIUM
708
CIRSIIUM ARVENSE
977
CITRULLUS VULGARIS
824
CITRUS
152, 512, 665
CITRUS AURANTIUM
3, 137, 146, 149, 322, 367, 742
CITRUS DEPRESSA
367
CITRUS JAMBHIRI
427
CITRUS KARNA
427
CITRUS LIMON
3, 151, 189, 365, 427, 722, 742

CITRUS LIMONIA
228, 427
CITRUS MACROPHYLLA
146, 149
CITRUS MACROPHYLLA CITRUS TAIWANICA CITR
322
CITRUS MEDICA
189, 948
CITRUS NOBILIS
137
CITRUS NOBILIS LAUREIRO X CITRUS DELICIO
146
CITRUS PARADISI
103, 508, 674, 985
CITRUS RESHNI
427
CITRUS RETICULATA
3, 137, 146, 149, 322, 367, 577, 742
CITRUS SINENSIS
272, 305, 427, 443, 469, 696
CITRUS TAIWANICA
146, 149
CLIMACOPHERA ROSEA
806
COCOS NUCIFERA
606
COFFEA
308
COLEUS BLUMEI
967
CORCHORUS CAPSULARIS
458
CORCHORUS OLITORIUS
636
CORIANDRUM SATIVU
183
CORNUS FLORID
267
CORNUS FLORIDA
906
COTONEASTER CONGESTUS
273
CRATAEGUS MONOGYNA
779
CRITHMUM MARITIMUM
634, 635
CRYPSIS ACULEATA
38
CUCUMIS MELO
559, 626, 627, 629, 659, 798, 883, 992
CUCUMIS SATIVUS
136, 229, 334, 819, 853, 901

CUCURBITA PEPO
176
CUPRESSOCYPARIS LEYLANDII
111
CYAMOPSIS TETRAGONOLOBUS
292
CYAMOPSIS PSORALOIDES
20
CYAMOPSIS TETRAGONOLOBUS
710, 926
CYCLAMEN
105
CYNODON DACTYLO
476, 477
CYNODON DACTYLON
331, 478, 897, 930
DACTYLIS GLOMERATA
356, 393, 565
DANTHONIA CAESPITOSA
804
DATURA INOXIA
913
DAUCUS CAROTA
635, 912
DAUCUS CAROTA VAR MAXIMUS
347
DAUCUS CAROTA VAR SATIVA
176, 306, 347, 740
DELOSPERMA ALBA FIE
273
DIANTHUS
396
DIANTHUS CARYOPHYLLUS
550
DIGITARIA DECUMBENS
181
DIPLACHNE FUSCA
59, 457, 766
DISPHYMA AUSTRALE
616
DISTICHLIS SPICATA
141, 451, 483, 654, 655, 840, 890, 983
DISTICHLIS STRICTA
922
DOLICHOS LABLAB
292, 834
DROSANTHEMUM HISPIDUM
273
ECHINOCHLOA HISPIDULA
465
ECHINOCHLOA TURNERANA
799

ELAEAGNUS ANGUSTIFOLIA
779
ELEUSINE CORACANA
243, 689, 934
ELYMUS MOLLIS
77
ELYMUSWAT
553
ELYTRIGIA
553
ERAGROSTIS CURVULA
504, 708
ERUCA SATIVA
758
ESCALLONIA RUBRA
111
EUCALYPTUS CAMALDULENSIS
340
EUCALYPTUS GRANDIS
741
EUCALYPTUS HYBRID
900
EUCALYPTUS OCCIDENTALIS
398, 1001
EUCALYPTUS TERETICORNIS
769
EUROTIA CERATOIDES
806
FESTUCA
387
FESTUCA ARUNDINACEAE
318
FESTUCA ELATIOR
393, 515, 569, 596, 708
FESTUCA ELATIOR GR
341
FESTUCA PRATENSIS
491
FESTUCA PRATENSIS
198
FESTUCA RUBRA
169, 171, 318, 747, 933, 959, 960
FESTUCA RUBRAF
294
FICUS ELASTICA
537
FRAGARIA
355, 391
FRANSERIA CHAMISSONIS
77
FRAXINUS AMERICANA
267

FRAXINUS EXCELSIOR
127, 779
FRAXINUS LANCEOLATA
564
GLAUX MARITIMA
315, 746
GLEDITSIA TRIACANTHOS
906
GLYCERIA ACUTIFLORA
465
GLYCINE MAX
90, 109, 210, 244, 316, 475, 499, 521, 543, 594-596, 599, 624, 625, 724, 725, 838, 856, 910, 973, 974
GOSSYPIUM
5, 133, 170, 333, 388, 405, 412, 455, 582, 693, 771, 940, 992
GOSSYPIUM ABOREUM
53
GOSSYPIUM ARBOREUM
52, 497
GOSSYPIUM BARBADENS
342
GOSSYPIUM BARBADENSE
222, 279, 281, 282, 846
GOSSYPIUM HIRSUTUM
815
GOSSYPIUM HIRSUTUM
25, 27, 44, 52, 53, 118, 121, 497, 498, 513, 593, 660, 814, 896
HALIMIONE PORTULACOIDES
414, 439, 444, 525
HALOXYLON AMMODENDRON
786
HEDYSARUM CORONARIUM
847
HELIANTHUS ANNUUS
28, 30, 44, 51, 63, 163, 228, 293, 359-361, 379, 391, 493, 494, 507, 520, 521, 526, 582, 640, 670, 699, 839,
934, 935
HEVEA BRASILIENSIS
274
HIBISCUS ESCULENTUS
12, 35
HIBISCUS ROSA-SINENSIS
407
HILARIA BELANGERI
238
HILARIA JAMESII GE
574
HIPPOPHAE RHAMNOIDES
779
HORDEUM
907
HORDEUM HYSTRIX
593
HORDEUM JUBATUM
638, 922

HORDEUM SECALINUM
933
HORDEUM VULGARE
2, 24, 41, 50, 62, 101, 114, 115, 119-121, 135, 154, 156, 183, 223-225, 231, 232, 265, 301, 342, 363, 372, 379,
386, 391, 406, 408, 417, 419, 441, 447, 449, 454, 466, 486, 501, 502, 516, 548, 563, 583, 593, 596, 598, 622,
623, 631, 638, 672, 699, 702, 726, 732, 753, 771, 784, 805, 829, 830, 836, 858, 870, 877-879, 915, 940, 944,
981, 986
HYMNOCYCLUS CROCEUS
273
HYOSCYAMUS MUTICUS
589
INULA CONYZA
635
INULA CRITHMOIDES
635
INULA GRAVEOLENS
822
IPOMOEA BATATAS
858
IPOMOEA PALMATA
407
IVA ORARIA
890
IXORA BANDHUCA
407
JAUMEA CARNOSA
859, 860
JUNCUS ACUTUS
997
JUNCUS GERARDII
38, 169
JUNCUS MARITIMUS
120
JUNCUS PUNCTORIUS
120
JUNCUS RIGIDUS
997
JUNCUS ROEMERIANUS
141
KICKXIA RAMOSISSIMA
546
KOCHIA AMERICANA
494
KOCHIA BREVIFOLIA
844, 845
KOCHIA PROSTRATA
786, 806
LACTUCA SATIV
334, 376
LACTUCA SATIVA
176, 229, 364, 793, 899, 978
LAGERSTROEMIA INDICA
270

LAMPRANTHUS PRODUCTUS
273
LARIX SIBERICA
138
LAVATERA ARBOREA
633, 635
LAWSONIA ALBA
407
LAWSONIA GLAUCA
900
LAYIA CARNOSA
77
LENS CULINARI
8
LENS CULINARIS
409, 605, 858
LEPIDIDIUM CRASSIFOLIUM
38
LEPIDIDIUM SATIVUM
507
LEUCOPHYLLUM FRUTESCENS
273
LIGUSTICIUM SCOTICIUM
635
LIGUSTRUM OVALIFOLIUM
267
LIGUSTRUM VULGARE
779
LILIUM
116
LILIUM LONGIFLORUM
538
LIMONIUM CALIFORNICUM
982
LIMONIUM CAROLINIANUM
141, 890
LIMONIUM VULGARE
414
LINUM USITATISSIMUM
379
LINUM USITATISSIMUM
28, 30, 183, 265, 360, 361
LIQUIDAMBER STYRACIFLUA
270
LIRIODENDRON TULIPFERA
267
LIRIODENDRON TULIPIFERA
270
LIVISTONA CHINENSIS
551
LOLIUM MULTIFLORUM
198, 356, 565

LOLIUM PERENN
171
LOLIUM PERENNE
93, 294, 491, 556, 842, 933
LONICERA XYLOSTEUM
779
LUPINUS LUTEUS
871
LYCIUM HAMILIFOLIUM
779
LYCOPERSICON
237
LYCOPERSICON CERASIFORME
593
LYCOPERSICON CHEESMANI
231
LYCOPERSICON CHEESMANII
751, 752
LYCOPERSICON ESCULENTU
50, 232, 753
LYCOPERSICON ESCULENTUM
11, 32, 61, 121, 142-145, 150, 167, 187, 213, 220, 229, 316, 334, 391, 423, 438, 446, 450, 531, 544, 593, 628,
660, 662, 704, 751, 752, 754, 758, 761, 762, 824, 885-887, 893, 947, 953, 968, 969, 981, 992
LYCOPERSICON PERUVIANUM
446, 885-887
MAGNOLIA GRANDIFLORA
270
MAHONIA AQUIFOLIUM
273
MALUS PUMILA
290, 291
MALUS SYLVESTRIS
391, 964, 965
MANGIFERA INDICA
421, 422, 535, 647
MANIHOT ESCULENTA
258, 394, 395
MATRICARIA RECUTITA
217
MEDICAGO CILIARIS
130
MEDICAGO HISPIDA
879
MEDICAGO MINIMA
130
MEDICAGO ORBICULARIS
736
MEDICAGO POLYMORPHA
130, 736
MEDICAGO ROTATA
736
MEDICAGO SATIVA
36, 174, 175, 210, 268, 341, 389, 391, 393, 582, 739, 740, 744, 765, 771, 841, 865, 875, 940

MEDICAGO SCUTELLATA
736
MEDICAGO TRUNCATULA
130, 879
MELALEUCA ERICIFOLIA
487
MELILOTUS ALBA
162, 708
MELILOTUS OFFICINALIS
162, 708, 954
MENTHA CARDIACA
199
MENTHA PIPERITA
199
MESEMBRYANTHEMUM CHILENSE
77
MUSA PARADISIACA
932
NERIUM INDICUM
407
NERIUM OLEANDER
92, 336, 338, 615
NICOTIANA
585
NICOTIANA ALATA
65
NICOTIANA SYLVESTRIS
195
NICOTIANA TABACUM
73, 161, 173, 266, 292, 330, 348, 368, 380, 381, 391, 397, 442, 467, 541, 596, 602-604, 916, 942, 966
NITRARIA BILLARDIERI
621
OLEA EUROPAEA
241, 999
ORYZA SATIVA
4, 8, 15, 34, 45, 48, 49, 60, 69-71, 76, 78, 85, 96-99, 119, 174, 185, 196, 248, 254, 299, 324, 329, 390, 391,
411, 449, 473, 489, 545, 549, 578, 579, 639, 641, 650, 657, 663, 666, 682, 688, 695, 748, 757, 776, 790, 801,
808, 816, 825, 833, 837, 880-882, 911, 936
ORYZOPSIS HOLCIFORMIS
879
PANICUM ANTIDOTALE
927-929
PANICUM MAXIMUM
476-478
PANICUM MILIACEUM
301, 915
PAPPOPHORUM BICOLOR
238
PARKINSONIA ACULEATA
74, 900
PARTHENIUM ARGENTATUM
575

PENNISETUM AMERICANUM
8, 212, 292, 329, 358, 382, 476-478, 642, 835, 938
PENNISETUM GLAUCUM
165
PENNISETUM PEDICELLATUM
927, 928
PENNISETUM PEDICELLATUM
929
PENNISETUM PURPUREUM
68, 218, 476-478
PENNISETUM TYPHOIDES
382, 404, 651, 684, 777
PERSEA AMERICANA
202, 661, 731
PETUNIA HYBRIDA
967
PHALARIS ARUNDINACEA
569
PHALARIS TUBEROSA
556, 879
PHARAGMITES COMMUNIS
922
PHASEOLUS
735, 863
PHASEOLUS AUREUS
66, 285, 810, 811
PHASEOLUS MUNGO
66, 858
PHASEOLUS VULGARIS
31, 107, 276, 278, 339, 353, 354, 369, 373, 418, 448, 494, 513, 582, 652, 653, 673, 686, 724, 725, 740, 843,
861, 862, 877, 971
PHLEUM PRATENSE
842
PHOENIX CANARENSIS
593
PHORMIUM TENAX
593
PHOTINIA FRASERI
273
PHRAGMITES COMMUNIS
890
PICEA ABIES
239, 267
PICEA GLAUCA
492
PICEA PUNGENS
963
PINUS CONTORTA VAR LATIFOLIA
778
PINUS ELDARICA
42
PINUS HALEPENSIS
273, 506

PINUS JEFFREYI
778
PINUS LAMBERTIANA
778
PINUS NIGRA
84, 255
PINUS PINEA
270, 496
PINUS PONDEROSA
88, 89, 778
PINUS RADIATA
263, 687, 767
PINUS RESINOSA
387
PINUS STROBU
906
PINUS STROBUS
84, 378, 387, 586
PINUS SYLVESTRIS
963
PINUS THUNBERGIANA
273, 586
PINUS VIRGINIANA
267
PISTACIA VERA
789
PISUM ELATIUS
680
PISUM FULVUM
680
PISUM SATIVU
829, 830
PISUM SATIVUM
75, 147, 157, 183, 285-288, 350-352, 391, 454, 468, 679, 680, 705, 760, 815, 858, 894, 903, 975
PLANTAGO CORONOPU
234
PLANTAGO CORONOPUS
110, 233, 490, 946
PLANTAGO LANCEOLATE
250
PLANTAGO MARITIMA
19, 38, 169, 233, 234, 250, 414
PLANTAGO MEDIA
233, 234
PLATANUS ACERIFOLIA
749
PLATANUS OCCIDENTALIS
906
PLUCHEA CAMPHORATA
890
POA ARIDA
922

POA DOUQL ASII
77
POA PRATENSIS
171, 294, 318, 491
PODOCARPUS MACROPHYLLUS
273
POLEMONIACEAE
184
PONCIRUS TRIFFOLIATE X CITRUS SINENSIS
322
PONCIRUS TRIFOLIAT
427
PONCIRUS TRIFOLIATA
577
PONCIRUS TRIFOLIATA X CITRUS SINENSIS
149
PONCIRUS TRIFOLIATE X CITRUS SINENSIS
146
PONGAMIA PINNATA
900
POPULUS TREMULOIDES
905
PORTULACA OLERACEA
433, 452
POTAMOGETON PECTINATUS
922
PROSOPIS ARTICULATA
247
PROSOPIS CHILENSIS
247
PROSOPIS FARCTA
177
PROSOPIS GLANDULOSA VAR TORREYANA
247
PROSOPIS JULIFLORA
900
PROSOPIS PALLIDA
247
PROSOPIS SPICIGERA
74
PROSOPIS TAMARUG
247
PROSOPIS VELUTINA
247
PRUNUS
391
PRUNUS CERASIFERA
270, 895
PRUNUS DOMESTICA
612
PRUNUS MUNSONIANA
895

PRUNUS PERSICA
400, 401, 612
PRUNUS SEROTIA
127
PSIDIMUM GUAJAVA
948, 950
PUCCINELLIA FI
393
PUCCINELLIA AIROIDES
318
PUCCINELLIA DISTAN
933
PUCCINELLIA DISTANS
38, 180
PUCCINELLIA MARITIMA
961
PUCCINELLIA NUTTALINA
922
PUCCINELLIA PEISONIS
867-869
PUNICA GRANATUM
593
PYRUS COMMUNIS
391
PYRUS KAWAKAMII
270
QUERCUS PALUSTRIS
906
RAPHANUS SATIVUS
176, 321, 359, 375, 429, 989
RAPHIOLEPIS INDICA
273
RHAMNUS CATHARTICA
892
RHIZOPHORA MANGLE
576, 891
RHODODENDRON
295
RHODODENDRON CATAWBIENSE
296
RHODODENDRON INDICUM
229
RIBES UVA-CRISPA
779
RICINUS COMMUNIS
28, 30, 226, 360, 361, 589
ROBINIA PSEUDOACACIA
564
ROBINIA PSEUDOCACIA
74
ROSA HYBRIDA
384

ROSA RUGOSA
779
RUPPIA ROSTELLATA
581
SACCHARUM OFFICINARUM
43, 80, 235, 256, 289, 434, 570, 619, 620, 669, 898
SALICORNIA
302, 303, 413
SALICORNIA BIGELOVII
141
SALICORNIA BRACHIATA
432
SALICORNIA EUROPÆ
890
SALICORNIA EUROPÆA
169, 483, 494, 552, 690, 917, 920-923, 993
SALICORNIA FRUTICOSA
7
SALICORNIA HERBACEA
440, 562
SALICORNIA PROSTRATA
38
SALICORNIA UTAHENSIS
957
SALICORNIA VIRGINICA
141, 523
SALIX ALBA
211
SALIX ALOPECUROIDES
211
SALIX BASFORDIAN
211
SALIX MEYERIANA
211
SALIX RUBENS
211
SALIX VIMINALIS
211
SALSOLA ORIENTALIS
786
SCHIZACHYRIUM SCOPARIUM
566
SCIRPUS FLUVIATILIS
561
SCIRPUS PALUDOSUS
922
SCORZONERA PARVIFLORA
38
SECALE CEREAL
119
SECALE CEREALE
264, 265, 391, 771, 820

SENECIO VULGARIS
126
SESAMUM INDICUM
142, 613, 614, 714
SESBANIA ACULEATA
8, 683, 759
SESBANIA AEGYPTIACA
20
SESUVIUM PORTULACASTRU
432
SESUVIUM PORTULACASTRUM
430
SETARIA ITALICA
391
SETARIA LUTESCENS
465
SETARIA MACROSTACHYA
238
SETARIA SPHACCLATA
476
SETARIA SPHACELATA
477, 478, 927-929
SIMMONDSIA CALIFORNICA
10
SIMMONDSIA CHINENSIS
888
SOLANUM MELONGENA VAR ESCULENTUM
852
SOLANUM PENNELLII
187, 754
SOLANUM PENNELLII GREEN
885, 887
SOLANUM TUBEROSU
915
SOLANUM TUBEROSUM
26, 27, 117, 307, 391, 644
SOLIDAGO JUNCEA
677
SOLIDAGO SEMPERVIRENS
139
SOPHORA JAPONICA
906
SORGHUM
301, 437
SORGHUM BICOLOR
196, 210, 216, 243, 376, 503, 582, 611, 632, 694, 717, 729, 756, 876, 940
SORGHUM BICOLOR F
990
SORGHUM DOCHNA
284
SORGHUM MOEUCH
925

SORGHUM SUDANENS
301
SORGHUM SUDANENSE
662, 771
SORGHUM SUDANES
224
SORGHUM SUNDANENSE
243
SORGHUM TECHNICUM
503
SORGHUM VULGARE
53, 642
SPARTINA
413
SPARTINA ALTERNIFLORA
140, 141, 303, 337, 509, 510, 514, 591, 592, 617, 654, 655, 840
SPARTINA ALTERNIFLORA GLABRA
890
SPARTINA CYNOSUROIDES
654
SPARTINA FOLIOSA
483, 523
SPARTINA PATENS
141, 890
SPERGULARIA MEDI
823
SPERGULARIA MEDIA
38, 822
SPERGULARIA RUBRA
635
SPERGULARIA RUPICOLA
635
SPERGULARIA SALINA
180, 637
SPINACIA OLERACE
429
SPINACIA OLERACEA
136, 172, 220, 572, 806
SPOROBOLUS AIROIDES
574
SPOROBOLUS PYRAMIDATUS
238
SPOROBOLUS VIRGINICUS
124
SUAEDA AUSTRALI
843
SUAEDA DEPRESSA
922
SUAEDA FRUTICOSA
193
SUAEDA MACROCARPA
125

SUAEDA MARITIMA
38, 107, 252, 637, 994, 995
SUAEDA MONOICA
236
SUAEDA NUDIFLORA
431, 432
SYMPHORICARPOS ALBUS VAR LAEVIGATUS
779
SYZYGIUM PANICULATUM
273
TABERNAEMONTANA CORONARIA
407
TAGETES ERECTA
967
TAXUS MEDIA
295, 297, 298
TECOMA STANS
407
TETRAGONIA EXPANSA
593
THUJA OCCIDENTALIS
260-262, 492
THUJA ORIENTALIS
564
TILIA CORDATA
39, 40
TILIA EUROPAEA
749
TRIDENS ALBESCENS
238
TRIFOLIUM
391
TRIFOLIUM ALEXANDRINUM
848
TRIFOLIUM BRACHYCALYCINU
765
TRIFOLIUM PRATENSE
198, 356, 491
TRIFOLIUM REPENS
356, 393, 491, 708, 765
TRIFOLIUM RESUPINATUM
356
TRIFOLIUM SUBTERRANEUM
970
TRIGLOCHIN MARITIMA
38, 169, 414
TRITICUM AESTIVU
329

TRITICUM AESTIVUM

6, 8, 13, 27, 33, 44, 47, 50, 53-57, 91, 102, 114, 115, 119, 142, 143, 156, 157, 182, 183, 192, 194, 210, 221,
223, 224, 231, 232, 240, 245, 264, 265, 280-283, 301, 313, 325, 327, 341, 359, 372, 376, 379, 391, 402, 404,
410, 420, 423, 435, 437, 447, 458-461, 463, 464, 470, 471, 480-482, 484-486, 505, 511, 522, 547, 557, 558, 573,
579, 580, 583, 596, 600, 601, 607, 610, 643, 645, 658, 667, 684, 685, 699, 702, 720, 727-730, 732, 740, 750,
753, 771, 784, 787, 788, 791, 800, 802, 803, 805, 824, 826-830, 854, 855, 858, 879, 899, 908, 914, 915, 936,
937, 939, 989, 990, 998

TRITICUM AESTIVUM

155

TRITICUM DURUM

240, 658, 854

ULMUS PUMILA

564, 963

VIBURNUM LANTANA

779

VIBURNUM OPULUS

255

VICIA FAB

690

VICIA FABA

58, 215, 219, 335, 362, 454, 563, 691, 692, 815, 915

VICIA VILLOSA

954

VIGNA MUNGO

8, 642, 738

VIGNA RADIATA

18, 521, 642, 712, 809, 810, 812, 813

VIGNA SINENSIS

251

VIGNA UNGUICULATA

31, 889

VITIS

79, 123, 391, 618, 646, 678, 924

VITIS BERLANDIERI

201

VITIS CANDICANS

201

VITIS CHAMPINI

201, 203

VITIS CINERIA

201

VITIS CORDIFOLIA

201

VITIS LONGII

201

VITIS RIPARIA

201, 203

VITIS RUPESTRIS

201, 203

VITIS VINIFER

203

VITIS VINIFERA

37, 122, 201, 204-207, 271, 428, 462, 948, 951

ZEA MAY

285

ZEA MAYS

1, 17, 27, 29, 62, 100, 131, 210, 216, 243, 275, 342, 345, 354, 356, 357, 369, 391, 420, 424, 438, 448, 452,
456, 458, 488, 507, 521, 532, 568, 594-596, 662, 671, 683, 697, 701, 705, 721, 763, 764, 771, 817, 819, 821,
864, 874, 899, 931, 990, 996

ZEA MAYS GRAVEL

372

ZIZANIA AQUATICA

785

ZIZYPHUS JUJUBA

74

ZOSTERA MARINA

676



M A S T E R I N D E X

(2-CHLOROETHYL) TRIMETHYLAMMONIUM CHLORI

275, 279-282, 357

ABSCISIC ACID

861, 863

ACETATE

55

ACETIC ACID

876

AERATION

20, 24, 51, 509, 510, 867, 971

AEROSOL

892

ALKALI SOIL

214, 407, 675, 940

ALKALINE SOIL

165, 748, 768

ALKALINE WATER

937

AMMONIA

337

AMMONIUM

244, 339, 568, 671, 705

APPLICATION RATE

739

ASCORBIC ACID

831

BARIUM

505

BENZYLADENINE

241

BETAINE HYDROCHLORIDE

874

BICARBONATE

2, 6, 15, 26, 55, 59, 194, 330, 331, 341, 384, 400, 411, 412, 435, 462, 481, 489, 505, 557, 580, 600, 601, 610, 611, 641, 644, 647, 664, 700, 701, 717, 721, 729, 730, 740, 826, 827, 852, 853, 934, 989-991

BORON

11, 12, 35, 44, 73, 108, 112, 122, 128, 152, 155, 157, 189, 206, 227, 258, 292, 295-298, 306, 312, 355, 397, 468, 537, 538, 541, 597, 678, 696, 735, 741, 750, 760, 783, 892, 901, 907, 924, 931, 941, 942, 953, 985

BRACKISH WATER

594, 595, 659, 676, 785, 903

CADMIUM

591

CALCAREOUS SOIL

68, 846

CALCIUM

1-3, 6, 8-10, 15, 16, 18, 20, 26, 47, 57, 58, 68, 71, 76, 78, 86, 100, 103, 119, 135, 156, 163, 164, 179, 183, 193, 194, 199, 205, 207, 213, 223, 224, 244, 245, 249, 260, 262, 263, 268, 270-273, 280-282, 289, 306, 316, 325, 344, 345, 359, 367, 371-373, 377, 382, 384, 388, 412, 420, 421, 423, 426, 427, 448-450, 470, 476-478, 480, 486, 489, 504, 505, 515-517, 526, 531, 533, 557, 559, 563, 570, 579, 580, 587, 588, 590, 599-601, 605, 609, 610, 612-614, 624, 632, 642-646, 651-653, 655, 662, 668, 674, 684, 685, 689, 699-702, 717, 722, 726, 728, 736, 737, 740, 742, 745, 753, 761, 766, 767, 776, 791, 793, 796, 798, 800, 801, 805, 826-828, 830-832, 834, 835, 846, 848, 852-855, 864, 866, 883, 889, 896, 897, 900, 902, 912, 926, 927, 929, 934-936, 938, 939, 944, 949, 954, 963, 972, 978, 984, 985, 989, 990, 992

CARBON MONOXIDE

277

CARBONATE

1, 49, 55, 57, 86, 280-282, 333, 388, 400, 544, 579, 641, 646, 682, 707, 718, 719, 729, 731, 770, 930, 991, 998

CHLORIDE

2, 3, 5-7, 10, 13, 15, 16, 18-24, 26, 28-33, 37, 41, 42, 45, 46, 48, 51-58, 61-63, 65, 66, 68, 69, 71, 74-76, 78, 79, 84-86, 88-90, 93, 100-107, 109, 110, 113, 116-119, 121, 122, 124-127, 130, 132, 135, 137, 138, 141-151, 154, 156, 158-162, 165, 167, 169-172, 174, 175, 177, 179, 181-183, 185, 187, 190-197, 199, 201, 202, 204-207, 212, 213, 217, 220-226, 228, 233, 234, 236, 240, 241, 245, 247, 250-252, 254, 255, 257, 260-263, 266, 268, 270-273, 275, 276, 278-282, 284, 286, 288, 293, 299-301, 304-308, 311, 314-316, 318, 319, 321-323, 325, 329, 331-333, 336-339, 341, 342, 344, 345, 348-354, 357-359, 361-363, 366-368, 370-373, 375, 377, 378, 380, 382, 386, 387, 393-396, 398, 400-402, 408, 410-412, 420, 421, 423, 426-429, 433, 434, 438-440, 442, 444-446, 448-452, 455, 456, 458-461, 463-467, 469-471, 480-482, 484, 486, 489, 490, 492-494, 497-500, 504, 505, 507, 508, 515-517, 519-529, 531, 532, 534, 536, 540, 543, 545-548, 551, 553, 558-561, 563-567, 569, 572, 574, 575, 577, 578, 580, 581, 585, 587-590, 592, 594, 598-601, 603-605, 607, 609-614, 616, 618-621, 623, 625-627, 629, 631, 632, 635, 637-647, 650-655, 657, 658, 661, 662, 664, 665, 668, 670, 674, 677, 680-684, 689-694, 699-702, 704, 705, 707, 710-724, 726, 728, 729, 733, 736-738, 740, 742, 744-747, 752-754, 757-759, 761-763, 765-767, 770, 772-779, 781, 786-790, 793, 796, 798, 799, 801, 804-807, 809-816, 818, 822, 826-828, 830, 831, 834, 835, 838, 841-843, 846-848, 852-857, 859-862, 864-871, 875, 878, 880, 881, 883-889, 894-897, 899, 900, 902, 905, 906, 909-917, 920, 921, 923, 925-927, 929, 930, 932-935, 938, 939, 943-945, 947-951, 954-956, 958, 963-966, 968-975, 977, 980, 984, 985, 989, 990, 992, 994-996, 999, 1000

CHLORIDE UPTAKE

505

CHLOROCOLINE CHLORIDE

91

CHLOROETHYL TRIMETHYLAMMONIUM CHLORIDE

244

CHOLINE PHOSPHATE

874

CITRATE

55

CLIMATE

98

COOLING TOWER

369, 586, 595

COPPER

100, 783, 907

CYCOCEL

18, 855

DEHYDROPROLINE

446, 886

DEICING SALT

39, 40, 83, 84, 113, 134, 168, 197, 208, 239, 260-262, 318, 378, 383, 387, 453, 472, 709, 745, 749, 778, 779

DEXTRAN
911
DI-IDO-HYDROXYBENZOIC ACID
41
DICALCIUM PHOSPHATE
538
DICHLOROPHENOXYACETIC ACID
469
DOWNY MILDEW
358
DRAINAGE
969
DRIP IRRIGATION
674, 985
DROUGHT
555
ETHREL
744
EXCHANGEABLE SODIUM PERCENTAGE
163
FERTILIZER
176, 194, 222, 381, 602, 672, 836
FLOOD IRRIGATION
674, 985
FLOURINE
825
FLUORIDE
538, 848
FLUORINE
521, 892
FOLIAR SPRAY
12, 544
GERMINATION SUBSTRATE
946
GIBBERELIC ACID
18, 46, 66, 182, 275, 440, 707, 831, 861-863, 876, 917, 920, 921, 928
GLUCOSE
424
GROWTH STAGE
69, 836, 990
GYPSUM
8, 9, 163, 164, 476-479, 557, 570, 572, 683, 769, 800, 828, 832, 904, 936
HORMONES
926
HUMIDITY
83, 375
HYDRATION-DEHYDRATION
694
INDOLE-3-ACETIC ACID
440
INDOLEACETIC ACID
66, 165, 182, 926, 928

INDOLEBUTYRIC ACID
165, 182

IRON
128, 337, 505, 544, 640, 663

IRON CHELATE
244

IRRIGATION FREQUENCY
135, 240, 303, 466, 803, 846

IRRIGATION METHOD
364, 385, 429, 437, 684, 802, 969, 985, 989, 991, 992

KINETIN
66, 121, 440, 744, 831, 876, 917, 920, 926, 928

LEACHING
178, 268, 334, 376, 385, 423, 437, 684, 768, 822, 823

LEAD
592

LIGHT
172, 304, 362, 451, 458, 514, 921, 1001

LITHIUM
346, 953

MAGNESIUM
2, 6, 15, 16, 26, 57, 162, 165, 193, 194, 196, 205, 207, 249, 272, 280-282, 289, 306, 341, 344, 345, 382, 384,
400, 401, 427, 448, 486, 489, 505, 526, 551, 563, 569, 580, 587, 588, 599, 605, 646, 668, 717, 726, 729, 734,
740, 761, 764, 766, 793, 827, 852, 853, 883, 896, 897, 934, 963, 972, 989

MALEIC HYDRAZIDE
275

MANGANESE
541, 544, 907

MANNITOL
18, 161, 306, 446, 746, 876, 879, 886, 895, 943

MANURE
684, 904

MELOIDOGYNE INCOGNITA
213

MERCURY
591

MOISTURE CONTENT
85, 485, 963

MOISTURE STRESS
219

MOLYBDENUM
783, 907

MYCORRHIZAL FUNGI
370

NAPHTHALENEACETIC ACID
182, 275

NATRIUM
520

NITRATE
2, 55, 170, 244, 278, 341, 500, 505, 563, 613, 641, 661, 705, 812, 852, 853, 899, 949, 958

NITRATE AMMONIUM
245

NITRITE
793

NITROGEN
140, 164, 194, 222, 244, 247, 313, 327, 454, 489, 491, 510, 649, 661, 670, 768, 818, 840, 904, 998

NITROGEN DIOXIDE
277

OIL SHALE
733

OSMOTIC PRESSURE
417, 764

OSMOTIC WATER POTENTIAL
224

OXYGEN
505, 670

OZONE
197

PH
509

PHOSPHATE
55, 505, 527, 528, 563

PHOSPHORUS
142-144, 164, 209, 313, 318, 327, 441, 484, 489, 529, 688, 800, 816, 825

PHYTOPHTHORA MEGASPERMA
599

PHYTOPHTHORA ROOT ROT
519

PLANTING DATE
442

PLANTING METHOD
698

PLUG-MIX PLACEMENT
237

POLYETHYLENE GLYCOL
22, 88, 136, 141, 263, 276, 290, 291, 335, 382, 414, 418, 447, 452, 459, 506, 548, 556, 598, 648, 686, 744, 755,
756, 762, 763, 765, 767, 787, 788, 804, 876, 879, 887, 943, 967

POTASH
905

POTASSIUM
85, 165, 170, 192, 194, 254, 299, 306, 308, 313, 331, 344, 346, 363, 382, 410, 417, 419, 463, 498, 539, 560,
563, 569, 662, 681, 746, 752, 809, 812, 813, 852, 853, 867-869, 897, 905, 909, 912, 958, 986, 994

PROLINE
446, 886

PUTRESCINE DIHYDROCHLORIDE
58

PYRITE
936

RADIOACTIVE CARBON DIOXIDE
773

RECLAMATION
768

RELATIVE HUMIDITY
261, 372, 818

RHIZOBIUM MELILOTI

866

RHIZOBIUM TRIFOLII

866

ROOTSTOCK

149, 202, 203, 205, 427, 674, 985

RUBIDIUM

346, 419

SALINE SEEPS

379, 672

SALINE SOIL

34, 37, 50, 80, 97, 98, 114, 115, 123, 131, 140, 165, 166, 173, 178, 214-216, 218, 235, 237, 238, 248, 255, 256,
264, 265, 294, 299, 365, 379, 385, 388, 389, 392, 399, 422, 426, 430, 441, 473, 475, 488, 501-503, 511, 542,
552, 554, 555, 617, 618, 630, 669, 672, 688, 695, 698, 706, 727, 732, 753, 768, 802, 808, 832, 833, 837, 844,
845, 896, 908, 922, 923, 952, 957

SALINE WATER

34, 37, 43, 122, 133, 178, 180, 198, 243, 267, 283, 305, 324, 340, 364, 365, 385, 386, 417, 426, 437, 483, 485,
491, 508, 509, 530, 542, 550, 609, 617, 618, 687, 697, 706, 753, 771, 780, 784, 802, 803, 824, 836, 839, 856,
858, 874, 882, 891, 898, 904, 908, 934, 935, 937, 997

SALINE-ALKALI SOIL

549

SALINITY

679

SALT SPRAY

21, 83, 92, 111, 139, 200, 262, 267, 319, 320, 369, 492, 496, 512, 535, 586, 594-596, 615, 635, 647, 656, 673,
687, 779, 860, 893, 972, 987

SCION

203

SCLEROSPORA GRAMINICOLA

358

SEA WATER

25, 27, 50, 60, 70, 120, 161, 184, 186, 200, 231, 247, 302, 303, 306, 319, 347, 356, 369, 396, 403-406, 414,
430-432, 487, 510, 514, 535, 562, 576, 581, 593, 606, 624-629, 633-636, 666, 667, 746, 751, 753, 819, 820, 872,
946, 959-962, 981-984, 987, 993

SEED DENSITY

946

SEED PRETREATMENT

18, 56, 91, 136, 165, 167, 182, 358, 388, 459, 524, 536

SODIC SOIL

8, 9, 96, 570, 571, 573, 579, 936

SODIUM

2, 3, 5-7, 9, 10, 13, 15, 16, 18-24, 26, 28-33, 37, 41, 45, 46, 48, 49, 51-59, 61-63, 65, 66, 68, 69, 71, 74-76, 78, 79, 84, 86, 88-90, 93, 100-107, 109, 110, 113, 117-119, 121, 122, 124-127, 130, 132, 135, 137, 141-150, 154, 156, 158-162, 165, 167, 169-172, 174, 175, 177, 179, 181-183, 185, 187, 190-197, 199, 202, 204, 205, 207, 212, 213, 215, 217, 220-226, 228, 233, 234, 236, 240, 241, 245, 247, 250-252, 254, 255, 257, 260-263, 266, 268, 270-273, 275, 276, 278, 280-282, 284-289, 293, 299-301, 304, 306, 311, 314-316, 318, 319, 321-323, 325, 329-332, 336-339, 341, 342, 344-346, 348-354, 357-363, 366-368, 370-373, 375, 377, 378, 380, 382, 384, 386, 387, 393-395, 398, 400-402, 408, 410-412, 420, 421, 423, 424, 426-429, 433-435, 438-440, 442, 444-446, 448-452, 455, 456, 458-466, 469-471, 480-482, 484, 486, 489, 490, 492-494, 497-500, 504, 505, 507, 508, 515-517, 519, 521-526, 528, 529, 531-534, 536, 539, 540, 543-548, 550, 551, 553, 558, 559, 561, 565-567, 569, 572, 574, 575, 577, 578, 580, 581, 585, 587-590, 592, 594, 597-601, 603-605, 607, 609-614, 616, 619-621, 623, 625, 631, 632, 635, 637-647, 650-655, 657, 658, 661, 662, 664, 665, 668, 670, 674, 677, 680-685, 689-694, 699-702, 704, 705, 707, 710-726, 728-731, 733, 734, 736-738, 740, 742, 744-747, 753, 754, 757-759, 761-763, 765-767, 770, 772-779, 781, 786-791, 793, 796, 798, 799, 801, 804-807, 809-816, 818, 822, 826-828, 830, 831, 834, 835, 838, 841-843, 846-848, 852-857, 859-862, 864-871, 875, 878, 880, 881, 884-889, 893-897, 900, 902, 905, 906, 909-917, 920, 921, 923, 925-927, 929, 930, 932-935, 938, 939, 943-945, 947-951, 953-956, 958, 963-966, 968-975, 977, 980, 984-986, 989-992, 994-996, 998-1000

SODIUM ADSORPTION RATIO

17, 283, 829, 908

SODIUM ALKYL BENZENE SULFONATE

200

SOIL MOISTURE

876, 899

SOIL TEXTURE

829

SOIL TYPE

20, 217, 485, 750, 990

SORBITOL

19

SPRINKLER IRRIGATION

133, 237, 271, 517, 530, 739, 991

SUBIRRIGATION

985

SUCROSE

668, 943

SULFATE

6, 8, 9, 15, 16, 26, 30, 42, 45, 47, 52, 54, 55, 57, 62, 63, 65, 85, 100, 138, 151, 158-160, 162-165, 179, 183, 193, 194, 196, 215, 222, 244, 271, 272, 280-282, 288, 306, 308, 311, 331, 333, 339, 345, 346, 360, 367, 384, 400, 401, 411, 412, 421, 424, 427, 428, 434, 445, 448, 456, 460, 476-478, 481, 486, 488, 489, 505, 522, 526, 533, 534, 547, 557, 563, 564, 568-570, 574, 577, 580, 585, 599-601, 605, 610, 611, 613, 624, 625, 641, 642, 646, 647, 664, 671, 699-701, 705, 717, 721, 724, 729, 734, 740, 761, 764, 766, 790, 793, 800, 809, 811-815, 826, 827, 831, 832, 852, 853, 893, 897, 911, 922, 925, 930, 934, 936, 963, 978, 989, 990, 996

SULFUR

904

SUPERPHOSPHATE

538

SURFACE IRRIGATION

492

TEMPERATURE

7, 46, 83, 85, 93, 136, 177, 184, 224, 258, 451, 458, 520, 524, 634, 804, 875, 879, 920, 959-961, 969, 1001

UREA

290, 327

VARIETY

4, 16, 17, 26, 60, 69, 76, 96, 98, 118, 119, 145, 147, 150, 151, 154, 225, 245, 258, 265, 294, 313, 402, 406,
412, 419, 435, 441, 499, 511, 526, 539, 540, 549, 570, 573, 587, 588, 605, 632, 641, 645, 649, 651, 659, 661,
682, 688, 695, 700, 701, 717, 726, 737, 790, 798, 808, 817, 821, 837, 838, 876, 925

VEGETATIVE GROWTH

505

WATER CONTENT

663

WATER QUALITY

120, 283, 437, 898

WATER STRESS

395, 864

WATER TABLE

219, 437, 443, 612, 617, 697, 858, 965

WATERLOGGING

966, 969, 971

WELL WATER

791

ZEATIN

861, 863

ZEATIN RIBOSIDE

921

ZINC

100, 479, 592, 663, 783, 907

2-CHLORETHYL-PHOSPHONIC ACID

212

M A S T E R I N D E X

ABSCISIC ACID
207, 351, 947
ACID PHOSPHATASE
611
ACONITIC ACID
284
ADENOSINE MONOPHOSPHATE
32
ADENOSINE TRIPHOSPHATE
42, 234
ALANINE
225, 342, 616, 713
ALANINE AMINOTRANSFERASE
212, 382
ALPHA-AMYLASE
56
AMIDE NITROGEN
648
AMINO ACID
40, 75, 212, 225, 252, 276, 287, 342, 430, 444, 484, 485, 620, 673, 712, 716, 815, 847
AMINO CONTENT
616
AMINO NITROGEN
414, 883
AMMONIACAL NITROGEN
648
AMMONIUM UPTAKE
276
AMYLASE
461, 809
ANATOMICAL RESPONSE
710, 889
ANATOMY
84, 513
ANIMAL FEED QUALITY
302
ARGININE
207, 225, 342, 616
ASCORBIC ACID
225, 949
ASH
243, 587, 721, 766, 821
ASPARTATE
616, 692
ASPARTATE AMINOTRANSFERASE
212, 382, 713
ASPARTIC ACID
342
ASSIMILATION
160, 577

ATP
45
AUXIN
862
BEAN YIELD
215
BEET YIELD
536
BETAINE
766
BLOSSOM-END ROT
144, 628, 852
BOLL PRODUCTION
846
BOLL YIELD
388
BOLTING
46
BORON DEFICIENCY
292
BORON TOLERANCE
44, 391, 674
BORON TOXICITY
11, 44, 152, 292, 355, 696, 760, 783, 924
BORON UPTAKE
44, 73, 122, 142, 258, 297, 298, 312, 355, 496, 538, 597, 674, 678, 696, 750, 760, 892, 931, 941, 985
BOTANICAL DESCRIPTION
675
BRANCH INJURY
905
BUD BREAK
205, 646
BUD FORMATION
315
BUD MOISTURE
83
BUD VIABILITY
83
C"A"ROTENOIDS
29
CALCIUM UPTAKE
37, 51, 53, 86, 100, 170, 233, 260, 267, 286, 290, 319, 338, 411, 448, 449, 528, 595, 599, 665, 685, 687, 725,
750, 759, 760, 782, 860, 896
CALLUS GROWTH
161, 306, 886, 913
CALLUS TISSUE
175
CANE YIELD
235, 570, 669
CARBOHYDRATE
40, 243, 315, 358, 380, 490, 527, 531, 567, 587, 712
CARBOHYDRATE REDUCING SUGAR
539

CARBON DIOXIDE ASSIMILATION
658, 861

CARBON DIOXIDE EXCHANGE
513, 818

CARBON DIOXIDE FIXATION
250, 366, 398, 433, 514, 773, 982

CARBON DIOXIDE UPTAKE
186, 424

CARBOXYLASE
818

CAROTENE
12, 241

CAROTENOIDS
57, 58, 714

CATALASE
15, 196, 439, 942

CATALASE ACTIVITY
323

CATION EXCHANGE
764

CELL GROWTH
195, 348, 869

CELL NUCLEUS
723

CELL PLASMOLYSIS
369

CELL SAP CONCENTRATION
281

CELL WALL
64

CELLULASE
104

CELLULOSE
438

CHLORIDE CONTENT
263, 277

CHLORIDE TOLERANCE
674

CHLORIDE TOXICITY
806, 866

CHLORIDE TRANSLOCATION
880

CHLORIDE TRANSPORT
868

CHLORIDE UPTAKE
24, 41, 47, 61, 83, 88, 89, 92, 101, 109, 113, 122, 146, 149, 172, 173, 181, 187, 200-205, 207, 208, 236, 239, 255, 260-262, 267, 271, 273, 308, 316, 318-320, 329, 336, 338, 354, 367, 369, 378, 396, 402, 444, 466, 467, 472, 494, 496, 498, 499, 507, 560, 561, 576, 586, 594, 596, 615, 618, 621, 624, 625, 627, 629, 638-640, 647, 664, 673, 674, 678, 683, 691, 722, 747, 749, 754, 759, 778, 780, 816, 853, 860, 868, 870, 880, 885, 887, 888, 905, 906, 909, 917, 948, 950, 959-961, 964-966, 968, 969, 971, 974, 984, 985

CHLOROPHYLL
12, 15, 26, 58, 160, 167, 241, 287, 357, 358, 433, 434, 439, 443, 452, 536, 598, 620, 637, 658, 673, 714, 926, 928, 942, 995

CHLOROPHYLL "A"
29, 57, 714, 927
CHLOROPHYLL "B"
29, 57, 714, 927
CHLOROPHYLLASE ACTIVITY
58, 714
CHLOROPLAST
710, 723, 770, 975
CHLOROSIS
296, 517, 543
CHOLESTEROLS
234
CHOLINE
766, 986
CITRIC ACID
284
COLD HARDINESS
264, 525, 754, 914
COPPER UPTAKE
100, 142
COTTON YIELD
405
COTYLEDON GROWTH
809
CROP QUALITY
364, 776, 902, 903
CROWN DRY WEIGHT
264
CROWN MOISTURE
264
CULTURE GROWTH
603
CYCLIC PHOTOPHOSPHORYLATION
598
CYSTINE
225
CYTIDINE MONOPHOSPHATE
32
CYTOCHROME OXIDASE
718
CYTOKININ
862
CYTOKININ ACTIVITY
398
CYTOLOGY
980
DEHYDROGENASE
718
DEOXYRIBONUCLEASE
812
DEOXYRIBONUCLEIC ACID
62

DESOXYRIBONUCLEIC ACID

225, 529, 589

DISEASE INCIDENCE

358

DORMANCY

121

DROUGHT RESISTANCE

240

DRY WEIGHT

190

ECOLOGY

77, 139, 180, 496, 743, 785, 890, 922, 923, 952, 959-961

EMBRYO AXIS

809

EMERGENCE

27, 33, 41, 136, 182, 254, 381, 524, 532, 534, 547, 568, 671, 777, 822, 823, 854, 855, 963

ENDO-BETA GLUCANASE

104

ENZYME

212, 343, 433, 460, 679, 680, 713, 738, 810, 912, 957

ENZYME ACTIVITY

104, 221, 251, 439, 611, 718, 912

EPICULICULAR WAX

711

ETHER EXTRACT

587

ETHYLENE

41, 219, 220, 722, 954

EVAPOTRANSPIRATION

789, 992

EXCHANGEABLE SODIUM PERCENTAGE

8, 435, 477, 478, 768, 936

FATTY ACIDS

234, 877

FERTILIZATION

436

FIBER

243

FIBER QUALITY

497

FIBER YIELD

388

FLOWER BUDS

106

FLOWER SIZE

526

FLOWER YIELD

384

FLOWERING

5, 105, 202, 213, 226, 330, 396, 401, 450, 538, 554, 799, 808, 846, 930

FLUORIDE UPTAKE

538, 892

FOLIAR INJURY

89, 517

FREEZING TOLERANCE

444

FRUCTOSE

125, 252

FRUIT GROWTH

213, 377, 949

FRUIT MATURITY

272

FRUIT QUALITY

61, 150, 272, 423, 508, 751

FRUIT WEIGHT

207, 305, 559, 626, 627, 629, 761

FRUIT YIELD

103, 143, 144, 150, 237, 272, 305, 512, 531, 559, 798, 852, 950, 992

GALACTOLIPIDS

234

GALACTOSE

598

GAS EXCHANGE

424, 514, 951

GENETIC ADAPTATION

21

GENETIC INTERACTION

34, 469, 542, 578, 604, 623, 794, 913, 981

GENETIC VARIABILITY

837, 913

GERMINATION

13, 16, 18, 33, 41, 52, 53, 56, 57, 60, 66, 70, 74-76, 78, 85, 101, 114, 115, 121, 124, 132, 147, 154, 163, 165,
169, 177, 179, 182-184, 190, 193, 196, 224, 237, 251, 275, 285, 293, 311, 314, 321, 323, 329, 334, 335, 347,
356, 381, 389, 403, 408, 412, 420, 431, 454, 459, 461, 465, 470, 471, 480, 487, 488, 497, 501, 504, 515, 520,
524, 526, 532, 536, 547, 552-554, 556, 558, 561, 569, 574, 575, 588, 591, 592, 602, 605, 608, 611, 619, 623,
627, 628, 634, 636, 641, 645, 648, 651, 653, 660, 666, 670, 671, 689, 694, 698-700, 702, 704, 726, 728-730, 736,
737, 744, 751, 753, 756, 759, 771, 777, 786, 790, 804-806, 811, 820, 821, 824, 827, 830, 834, 835, 848, 875,
876, 878, 879, 899, 900, 911, 918, 920, 921, 923, 925, 937, 938, 946, 959, 962, 963, 970, 977, 984, 1000, 1001

GLUCOSE

125, 252, 256

GLUCOSE-6-PHOSPHATE DEHYDROGENASE

680

GLUTAMATE

616

GLUTAMATE DEHYDROGENASE

212, 382, 692, 705, 713

GLUTAMATE SYNTHASE

107

GLUTAMIC ACID

225, 342

GLUTAMIC-OXALOACETIC TRANSAMINASE

692

GLUTAMINE

616

GLUTAMINE SYNTHETASE

705

GLYCEOLLIN

599

GLYCINE

304, 342, 484, 766

GLYCINE BETAINE

140, 986

GLYCOALKALOIDS

26

GLYCOLIPID

877

GLYOXYLIC ACID

715, 716

GRAIN WEIGHT

71, 194, 280, 408, 649, 667, 730, 808, 835, 839, 855, 882

GRAIN YIELD

2, 4, 15, 69, 71, 91, 96-98, 114, 115, 143, 155-157, 163, 194, 245, 248, 280, 327, 345, 372, 379, 404, 408, 410,
466, 470, 471, 481, 484, 486, 511, 522, 526, 549, 557, 573, 579, 580, 600, 601, 605, 610, 642, 643, 645, 649,
657, 667, 672, 684, 695, 697-701, 727-730, 732, 748, 802, 803, 825-827, 829, 832, 835, 836, 838, 839, 854, 874,
882, 908, 931, 936, 937, 989, 990

GROWTH RATE

15, 16, 186, 190, 340, 394, 447, 451, 577, 688, 805, 861, 896

GROWTH RING THICKNESS

378

GUANOSINE MONOPHOSPHATE

32

HEAD SIZE

839

HEIGHT

51, 53, 137, 167, 213, 217, 221, 226, 247, 286, 300, 337, 386, 420, 422, 463, 464, 475, 480-482, 497, 510, 534,
538, 566, 588, 617, 626, 627, 629, 640, 645, 670, 724, 728, 730, 776, 789-791, 799, 801, 827, 831, 834, 841,
855, 898, 906, 926, 937, 944, 963

HEREDITY

578

HISTOLOGY

211, 869, 996

HORMONES

343

HYBRIDS

4, 933, 981

HYDROCYANIC ACID

717

HYPOCOTYL ELONGATION

440

INDOLEACETIC ACID OXIDASE

461

INFLORESCENCE

761

INHERITANCE

4, 754

INJURY SYMPTOM

189

INVERTASE
354, 461
INVERTASE ACTIVITY
353
ION ACCUMULATION
64
ION CONTENT
339, 456, 493, 754, 810
ION EXCHANGE RATE
994
ION TRANSLOCATION
752
ION TRANSPORT
64
ION UPTAKE
255, 274, 493, 670, 862, 994
IRON UPTAKE
142, 312, 640, 663
IRRIGATION METHOD
246
ISOENZYME
810
KETOACIDS
332, 715, 716
KETOGLUTARATE
692
KETOGLUTARIC ACID
715, 716
LEACHING REQUIREMENT
376
LEAF AREA
79, 190, 361, 377, 451, 588, 633, 635, 640, 646, 652, 789, 967
LEAF AREA INDEX
190
LEAF BURN
106, 739
LEAF CHLOROPHYLL
807
LEAF DEVELOPMENT
117
LEAF DIFFUSION RESISTANCE
278, 966
LEAF DIFFUSIVE CONDUCTANCE
567
LEAF ELONGATION
46, 787
LEAF FREQUENCY
79, 167, 481, 482, 534, 546, 627, 670, 698, 725, 905, 926, 995
LEAF GROWTH
548, 585, 676
LEAF INJURY
208, 227, 270, 273, 296, 355, 369, 378, 472, 537, 538, 615, 639, 677, 687, 905, 931, 941, 953

LEAF PRESSURE POTENTIAL
372
LEAF SIZE
809
LEAF SUCCULENCE
513
LEAF THICKNESS
139, 451, 513, 546, 621, 860
LEAF WATER CONTENT
10, 223, 450, 567, 888
LEAF WATER POTENTIAL
140, 143, 372, 373, 375, 765, 788, 951, 964
LEUCINE
342, 398, 424, 576, 815, 818
LEUCINE ARYLAMIDASE
212
LINOLENIC ACID
93, 293
LINT QUALITY
405
LINT YIELD
279
LIPID
158, 228, 257, 293, 311, 598, 766, 877, 999
LIPID COMPOSITION
234, 474
LIPID METABOLISM
474
LITHIUM UPTAKE
346
LYSINE
225
MAGNESIUM UPTAKE
181, 233, 319, 448, 449, 599, 896
MALATE
252
MALATE CITRATE
746
MALATE DEHYDROGENASE
439, 607, 746
MALIC ACID
284
MANGANESE UPTAKE
142
MATURATION
133, 350, 833
MEMBRANES
343
MESOPHYLL
451
MESOPHYLL CELL DIMENSIONS
513

MESOPHYLL RESISTANCE

7

METHIONINE

815

MINERAL COMPOSITION

2, 3, 6, 11, 12, 19, 31, 35, 39, 52, 54, 57, 59, 92, 106, 112, 119, 123, 124, 127, 133, 142, 144, 145, 147, 148,
151, 159, 163, 175, 204, 206, 210, 221, 227, 235, 238, 264, 270, 272, 283, 288, 297, 298, 322, 346, 359-361,
363, 365, 396, 400, 403-407, 412, 414, 421, 422, 428, 430, 433, 439, 443, 445, 454, 455, 462, 467, 476, 484,
491, 493, 507, 509, 516, 540, 551, 577, 587, 595, 596, 601, 613, 616, 619, 626-628, 642, 645, 653, 661, 664,
667, 675, 684, 691, 696, 719, 730, 734, 746, 749, 758, 760-764, 766, 767, 770, 783, 784, 796, 798, 800, 805,
807, 820, 821, 825, 832, 834, 840, 842, 852, 853, 863, 871, 874, 897, 906, 936, 949, 953, 955, 956, 964, 973,
974, 983, 998, 1000

MINERAL UPTAKE

531, 655

MITOCHONDRIA

718, 719, 723, 958

MITOTIC ACTIVITY

468

MORPHOLOGY

84, 959

MYCORRHIZAL INFECTION

370

NECROSIS

296, 517

NITRATE

40

NITRATE COMPENSATION POINT

895

NITRATE REDUCTASE

746, 818

NITRATE REDUCTASE ACTIVITY

560

NITRATE UPTAKE

276, 418, 516, 560, 738, 782

NITRITE UPTAKE

278

NITROGEN

358, 414, 527, 576, 587, 712, 721

NITROGEN CONTENT

20

NITROGEN FIXATION

389, 765

NITROGEN UPTAKE

48, 58, 222, 244, 245, 327, 489, 563, 605, 665, 670, 673, 750, 895, 949

NODULATION

389, 497, 500, 546, 759, 848, 856, 910

NUCLEIC ACID

63, 287

OIL COMPOSITION

28

OIL CONTENT

163, 265

OIL YIELD
649, 832, 838, 934, 935

OLEIC ACID
93

ORGANIC ACID
284

ORGANIC PHOSPHATES
333

OSMOTIC ACTIVITY
274

OSMOTIC ADJUSTMENT
368

OSMOTIC POTENTIAL
10, 37, 119, 323, 352, 418, 516, 520, 548, 550, 616, 625, 628, 631, 639, 679, 686, 755, 758, 765, 810, 947, 951,
957, 970

OSMOTIC PRESSURE
7, 22-24, 172, 207, 223, 281, 291, 377, 414, 456, 562, 627, 629, 639, 652, 702, 782, 895, 972

OXALOACETIC ACID
715, 716

OXYGEN ABSORPTION
473

OXYGEN UPTAKE
90, 330, 424, 670, 856, 867

PENTOSE PHOSPHATE PATHWAY
350, 680

PEPTIDE
693

PERCENT JUICE
508

PEROXIDASE
15, 439, 813

PEROXIDASE ACTIVITY
323, 738, 819, 872

PHENOLS
883

PHENYL-ALANINE
342

PHLOEM
710

PHOSPHATASE
42, 460

PHOSPHATE MOBILIZATION
614

PHOSPHATIDYL CHOLINE
877

PHOSPHOENOL PYRUVATE
818

PHOSPHOENOL PYRUVATE CARBOXYLASE
483

PHOSPHOENOL PYRUVIC ACID
715, 716

PHOSPHOLIPIDS
234, 877

PHOSPHORUS

721

PHOSPHORUS UPTAKE

144, 222, 327, 441, 473, 489, 522, 528, 563, 614, 665, 750, 800, 816

PHOTOPHOSPHORYLATION

770

PHOTOREDUCTION

770

PHOTORESPIRATION

630

PHOTOSYNTHESIS

7, 28, 29, 31, 88, 89, 110, 160, 186, 196, 307, 361, 433, 434, 451, 452, 483, 490, 536, 567, 620, 630, 658, 661, 673, 758, 807, 818, 861, 884, 915, 942, 945, 948, 950, 951, 982

PHYTOALEXIN

599

PIGMENT

758

PLANT GROWTH

147

PLANT HEIGHT

36, 190

PLANT SURVIVAL

668

PLANTLET FORMATION

956

PLASTIDS

958

PLUMULE GROWTH

70, 777, 830

POD WEIGHT

653

POD YIELD

158, 834

POLINE

140

POLLEN VIABILITY

6

POLYAMINE

690

POLYPHENOLS

358

POTASSIUM ABSORPTION

752

POTASSIUM UPTAKE

48, 71, 92, 161, 170, 181, 187, 200, 203, 204, 207, 222, 233, 240, 252, 267, 290, 308, 319, 338, 346, 354, 395, 410, 411, 419, 435, 448, 449, 456, 463, 498, 499, 522, 528, 567, 615, 638, 664, 665, 681, 868, 885, 909, 916, 966

PRESSURE POTENTIAL

377

PROLINE

40, 141, 207, 212, 225, 287, 304, 351, 358, 382, 414, 430, 434, 444, 446, 484, 616, 689, 746, 747, 766, 767, 796, 887, 888, 986

PROLINE ACCUMULATION
156

PROLINE DEHYDROGENASE
212, 382

PROTEASE
812

PROTEIN
26, 102, 212, 225, 243, 287, 353, 357, 386, 424, 434, 439, 464, 476, 485, 491, 531, 576, 600, 605, 637, 658,
712, 766, 770, 815, 819, 843, 872, 915

PROTEIN CONTENT
265

PROTEIN NITROGEN
40, 57, 276, 527, 587, 712

PROTEIN SYNTHESIS
362

PUTRESCINE
690

PYRUVIC ACID
715, 716

RADICLE GROWTH
177, 962

RECLAMATION
178, 844, 845, 988

REDUCING SUGAR
26, 207, 354, 414, 611, 630, 712, 770, 883

RESPIRATION
7, 88, 89, 110, 438, 451, 483, 490, 630, 658, 673, 807, 856, 867, 911, 942, 982

RHIZOBIUM
500, 581, 910

RIBONUCLEASE
812

RIBONUCLEIC ACID
32, 225, 357, 529, 589

RIBULOSEBIPHOSPHATE CARBOXYLASE
818

ROOT DISTRIBUTION
166, 441

ROOT GROWTH
2, 22, 33, 41, 49, 51, 57, 62, 75, 78, 86, 90, 100, 106, 119, 124, 126, 137, 151, 169, 182, 185, 187, 192, 213,
240, 258, 286, 289, 293, 297, 323, 330, 337, 338, 357, 363, 370, 375, 377, 396, 427, 445, 456, 458, 487, 497,
500, 506, 519, 521, 534, 540, 547, 552, 554, 563, 564, 572, 581, 585, 588, 602, 613, 624, 630, 632, 638, 640,
649, 654, 671, 680, 707, 724, 744, 769, 783, 788, 789, 807, 809, 820, 840, 856, 857, 881, 893, 910, 923, 929,
933, 938, 941, 943, 950, 962, 968, 984, 992, 996

ROOT GROWTH RATE
805

ROOT LENGTH
371, 386

ROOT WATER EXTRACTION
9

ROOT YIELD
571, 904, 991

ROOT-KNOT NEMATODE
109

RUBIDIUM UPTAKE

346

RUBP-CARBOXYLASE

366

SALT GLANDS

723

SALT MOVEMENT

199

SALT SPRAY

171

SALT TOLERANCE

33, 94, 111, 116, 120, 168, 169, 171, 174, 246-248, 270, 273, 383, 399, 403, 420, 426, 429, 436, 469, 491, 498,
504, 542, 581, 593, 604, 606, 623, 650, 701, 703, 706, 709, 723, 725, 757, 786, 822, 823, 865, 878, 894, 932,
957, 979, 983, 984, 993

SCOPOLETIN

266

SEED QUALITY

27

SEED SIZE

921

SEED SWELLING

301

SEED WEIGHT

6, 36, 70, 114, 135, 330, 406, 423, 475, 485, 511, 545, 588, 609, 624, 625, 776, 791, 799, 801, 838, 921, 944

SEED YIELD

6, 265, 330, 406, 475, 735, 791, 805, 881, 934

SEEDLING EMERGENCE

254, 694, 878

SEEDLING GROWTH

33, 56, 70, 74, 85, 101, 179, 182, 185, 221, 224, 254, 275, 334, 357, 393, 422, 459, 524, 553, 588, 590, 594,
597, 608, 623, 627, 632, 633, 641, 648, 707, 736, 737, 751, 777, 806, 821, 830, 855, 870, 878, 900, 911, 929,
938, 943, 970

SEEDLING SURVIVAL

176

SELECTIVE BREEDING

608, 623, 732, 794, 797, 891

SHOOT GROWTH

2, 33, 51, 53, 78, 79, 86, 169, 172, 185, 204, 240, 286, 297, 323, 337, 338, 351, 363, 370, 396, 445, 450, 458,
506, 540, 546, 547, 552, 554, 581, 588, 604, 632, 638, 640, 645, 649, 654, 671, 788, 820, 872, 892, 944, 951,
971, 996

SHOOT GROWTH RATE

805

SHOOT LENGTH

462

SHOOT WEIGHT

264

SHOOT YIELD

571

SILVICULTURE

891

SITOSTEROLS

234

SODIUM CARBONATE

325

SODIUM EXCRETION

681

SODIUM TOXICITY

866

SODIUM TRANSPORT.

868

SODIUM UPTAKE

24, 37, 41, 43, 51, 53, 61, 71, 83, 86, 88, 89, 92, 93, 100, 101, 113, 130, 146, 161, 169, 170, 172, 181, 187,
200, 202-204, 233, 236, 239-241, 252, 255, 260-262, 267, 268, 271, 273, 286, 302, 315, 316, 319, 320, 336, 338,
346, 354, 369, 378, 395, 402, 410, 411, 422, 429, 430, 435, 440, 448, 449, 456, 463, 472, 492, 498-500, 507,
522, 528, 551, 561, 565, 567, 577, 586, 594, 595, 599, 615, 624, 625, 627, 638-640, 664, 665, 670, 681, 683,
687, 691, 720, 725, 731, 747, 749, 754, 759, 778, 842, 853, 860, 868, 870, 884, 885, 888, 893, 896, 898, 906,
909, 916, 917, 950, 964-966, 968, 969, 971, 973, 983, 984, 996, 999

SOLUBLE NITROGEN

276

SORBITOL

414, 490

SPEAR YIELD

668

SPERMIDINE

690

SPERMINE

690

STALK DEVELOPMENT

117

STARCH

315, 438, 527, 539, 673, 712, 770, 883

STARCH SYNTHETASE

6

STEM ELONGATION

293

STEM GROWTH

377, 950

STEM INJURY

83

STEROLS

234, 877

STOMATA

30

STOMATAL BEHAVIOR

191

STOMATAL CHARACTERISTIC

191, 775

STOMATAL CONDUCTANCE

373

STOMATAL DENSITY

139, 772

STOMATAL DIFFUSION RESISTANCE

143

STOMATAL DISTRIBUTION

774

STOMATAL FREQUENCY

31, 191, 432, 451, 774, 775

STOMATAL RESISTANCE

7, 240, 451, 513, 948

STOMATAL TYPE

774

STRAW YIELD

15, 36, 71, 157, 245, 410, 470, 471, 481, 522, 579, 605, 610, 643, 657, 684, 698, 700, 727, 729, 748, 825, 855,
908, 936, 937, 989, 998

SUCCINATE

718

SUCCULENCE

860, 887

SUCROSE

125, 252, 256, 315, 354, 539, 570, 630

SUCROSE YIELD

235, 669

SUGAR

315, 392, 527, 616, 620, 626, 627, 673, 712, 770, 798

SUGAR PHOSPHATES

452

SUGAR YIELD

904

SUGARPHOSPHATES

620

SULFATE UPTAKE

308, 782

SULFOLIPID

234, 877

TAURINE

814

THREONINE

225

TILLERING

68, 420, 464, 473, 480, 481, 728, 776, 791, 801, 827, 855, 937

TITRATABLE ACID

207

TOP GROWTH

100, 427, 602, 941

TOXICITY SYMPTOM

35, 73, 200, 367, 397, 541, 731

TRANSPIRATION

7, 10, 30, 31, 47, 330, 336, 372, 373, 377, 417, 419, 516, 523, 536, 562, 567, 627, 628, 640, 652, 661, 673,
711, 758, 765, 767, 784, 818, 950, 969

TRANSPIRATION RATE

191, 291

TRANSPLANTING

833

TRICHOME DENSITY

139

TUBER NUMBER

117

TUBER WEIGHT

117

TUBER YIELD

26, 561, 644

TURGIDITY

375, 755

TURGOR

787

TYROSINE

225, 342

URIDINE MONOPHOSPHATE

32

VEGETATIVE GROWTH

1, 5, 7, 12, 16, 17, 20, 23-28, 31, 34, 37, 51-55, 57-60, 63, 65, 68, 69, 71, 73, 76, 85, 91, 93, 104-106, 109,
110, 114, 115, 118, 119, 126, 130, 131, 135, 137, 138, 140, 148, 151, 159, 162, 163, 165, 167, 169, 172, 185-
187, 196-200, 202, 206, 213-218, 221, 226, 233, 244, 251, 255, 258, 265, 270, 272, 283, 284, 286-291, 293, 297,
300, 303, 305, 306, 318, 327, 329-331, 337, 338, 345, 346, 354, 360-362, 364, 368-373, 375, 377, 384, 393, 394,
404, 406, 411, 414, 417, 419, 423, 427, 434, 441, 445, 447-450, 452, 454, 456, 461, 463, 466, 467, 475-482, 489,
490, 497, 499, 501-503, 509, 510, 513, 519, 521-523, 526-528, 531, 533, 534, 539, 540, 543-545, 551-554, 563,
566-568, 574, 577, 585, 588, 593, 594, 597, 609, 612-614, 616, 617, 619, 624-630, 633, 635, 636, 638-640, 642,
649, 652, 654, 657, 660-662, 667, 670, 671, 676, 677, 682, 685, 691, 697, 698, 701, 702, 710, 721, 724, 725,
727, 729, 730, 732-737, 742, 746, 747, 750, 753, 754, 758, 759, 761, 763, 773, 776, 777, 783, 789, 793, 800,
807, 808, 811, 820-823, 826, 831, 832, 834, 840, 841, 843, 847, 848, 854, 859, 861, 863-865, 872, 874, 881, 885,
888, 889, 893, 895-897, 901, 903, 904, 906, 910, 915, 917, 923, 931, 933, 935, 937, 939, 940, 942, 944, 947,
949, 950, 954, 959-961, 963, 967, 968, 971, 978, 979, 990, 992, 995, 997, 1000

VEGETATIVE YIELD

181, 380, 389, 442, 491, 507, 621

VESICULATION

980

VISUAL SYMPTOM

627

VISUAL SYMPTOMS

11, 122, 157, 267, 320, 535, 586, 612, 618, 629, 667, 778

WATER BALANCE

343

WATER CONTENT

30, 31, 120, 172, 187, 264, 282, 344, 359, 418, 433, 452, 536, 616, 637, 673, 758, 764, 917, 926, 987

WATER POTENTIAL

47, 88, 351, 377, 414, 418, 548, 652, 661, 686, 734, 767, 781, 864

WATER STRESS

954

WATER UPTAKE

185, 335, 876, 964, 965

WATER USE

7, 290, 291, 437, 969

WATER VAPOR DIFFUSION

734, 972

WILTING

418, 550, 930

WOOD YIELD

891

XYLEM

88, 350, 451, 631, 710

XYLEM PRESSURE POTENTIAL

377

YIELD

8, 27, 43, 46, 50, 53, 61, 80, 118, 133, 135, 164, 166, 170, 176, 192, 199, 209, 226, 231, 268, 283, 285, 299,
313, 339, 341, 376, 386, 393, 412, 420, 423, 429, 445, 450, 464, 479, 482, 485, 497, 504, 528, 533, 545, 558,
572, 578, 596, 624, 644, 649, 653, 659, 660, 662, 683, 688, 702, 720, 724, 725, 740, 753, 759, 760, 766, 776,
790, 791, 801, 808, 828, 829, 842, 853, 858, 898, 902, 903, 907, 914, 935, 939, 944, 989, 992

ZINC UPTAKE

100, 142, 663

14CO2 INCORPORATION

190

2-AMINOETHANESULFONIC ACID

814





